

Fig. 1

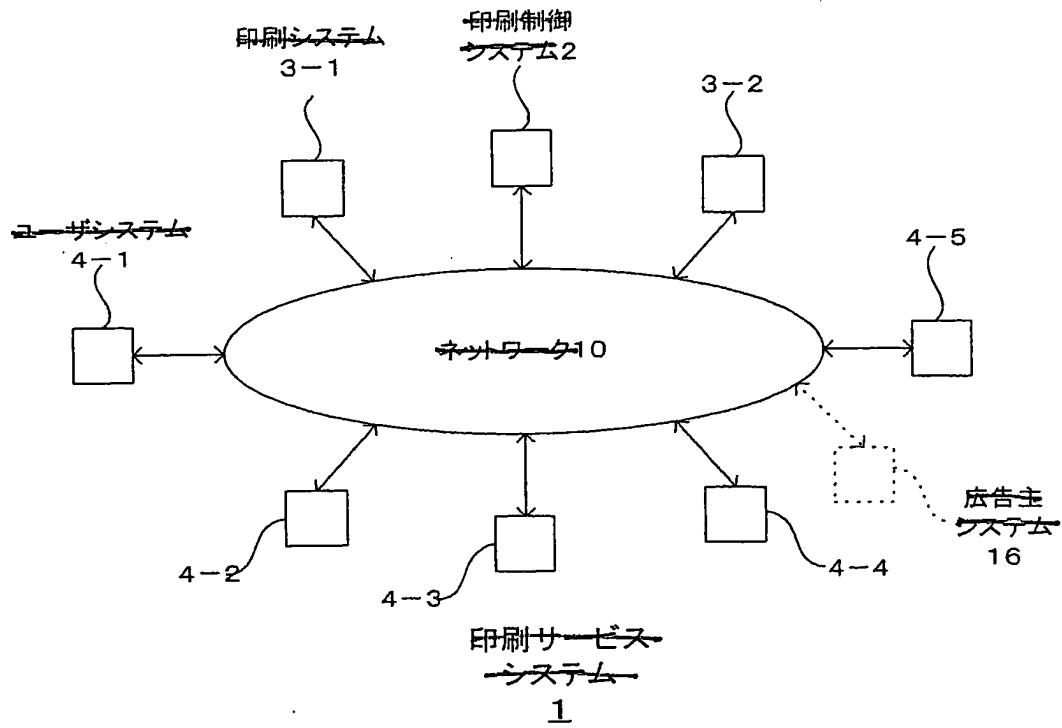
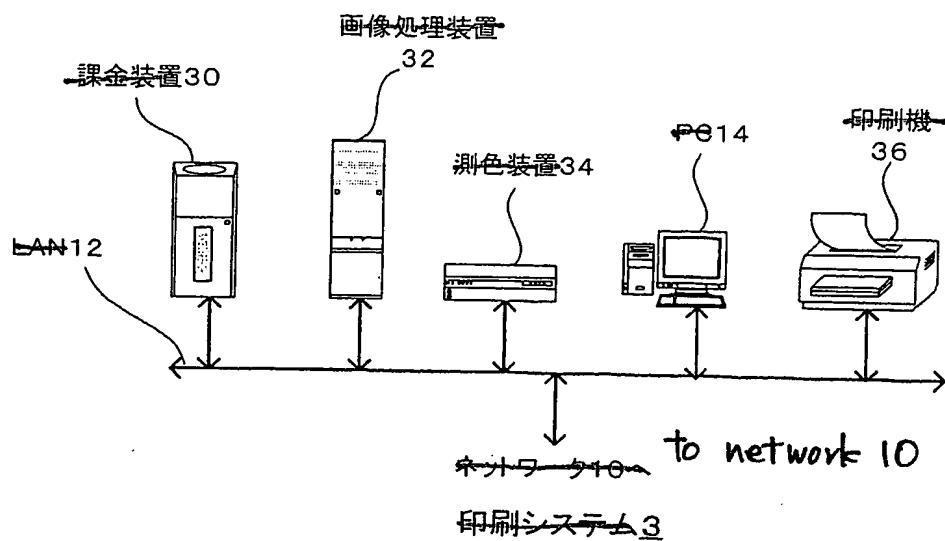


Fig. 2

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-図3-

プロファイル
DB20
プロファイル
配信装置 22
課金装置 24
印刷制御
装置 26

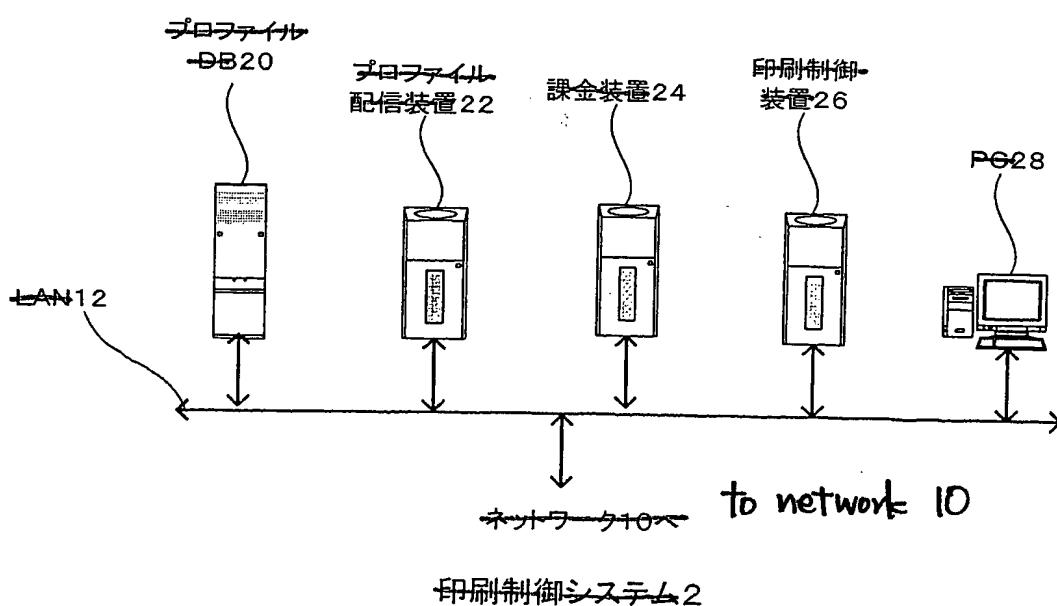


Fig. 4

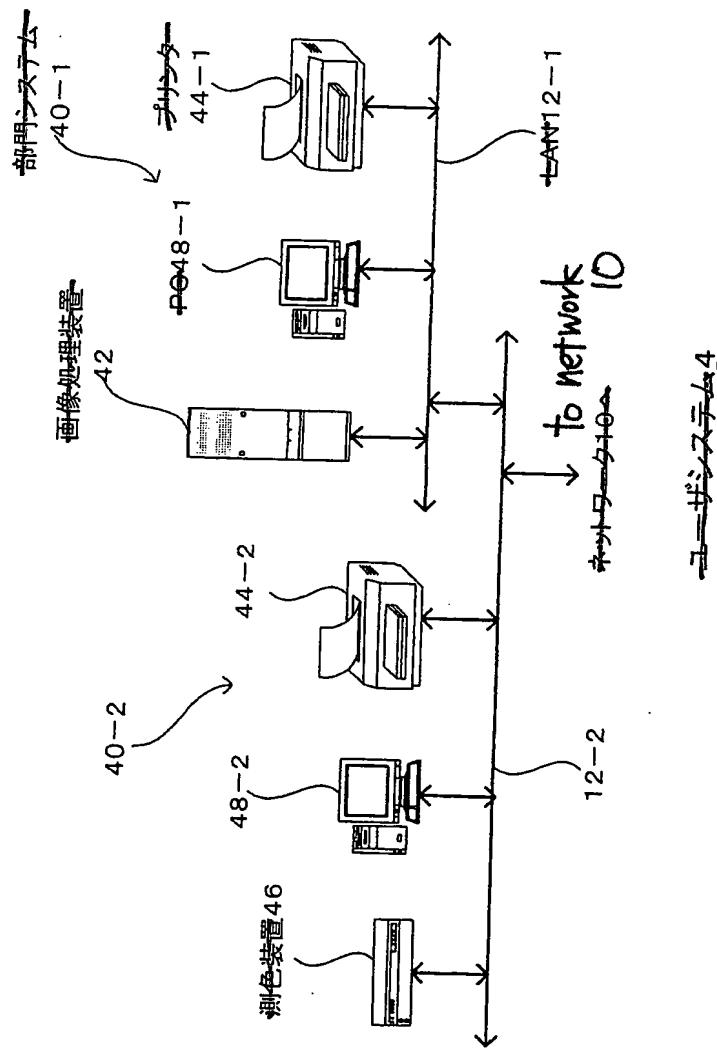
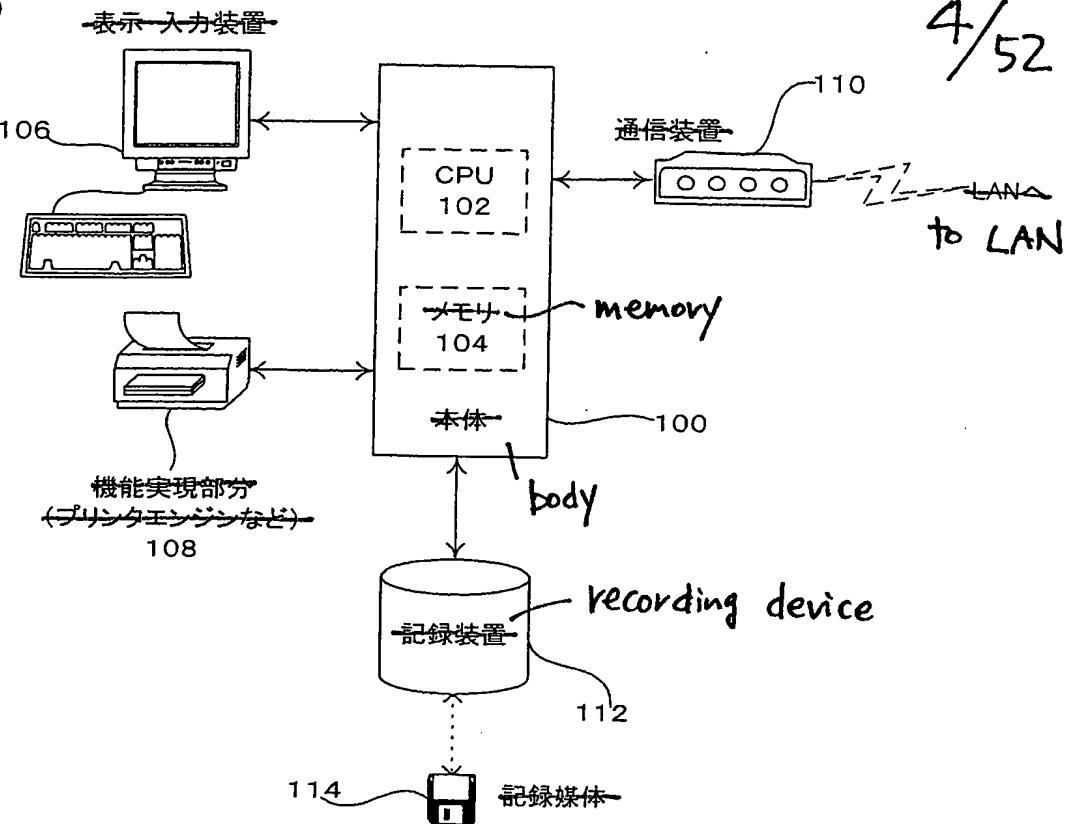


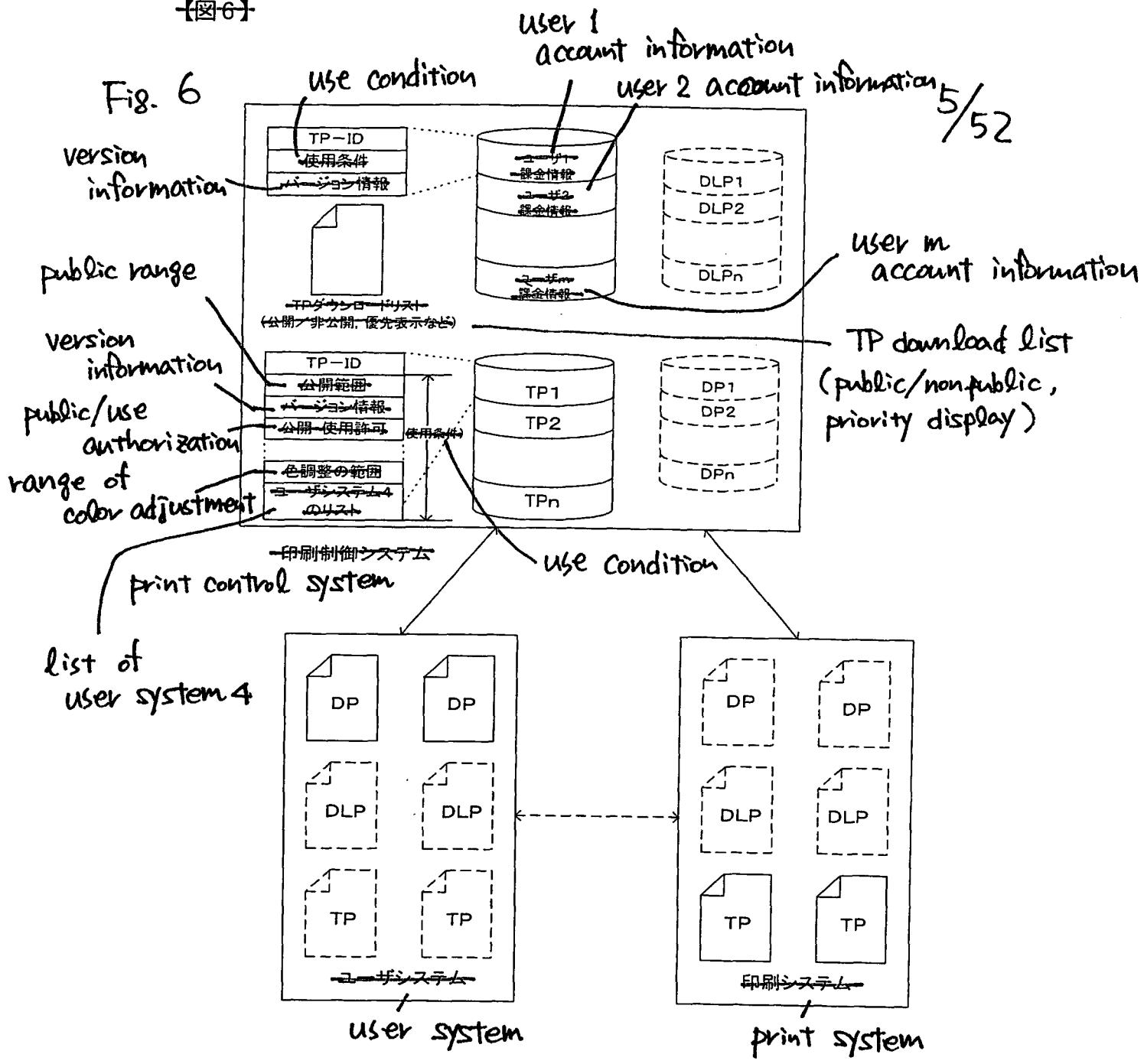
Fig. 5

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PO14, 28, 48, プロファイルDB20,
プロファイル配信装置22, 課金装置24, 30,
印刷制御装置26, 画像処理装置32, 42,
測色装置34, 46, 印刷機36, プリンタ44

Fig. 6



【図7】

Fig. 7 user system

ユーザ
システム

print
system
印刷
システム

profile
delivery system
プロファイル
配信システム

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request for
TP delivery
TP配信依頼

S100 →
TP transmission
TP伝送

S102 ← ACK

S104 → use authorization
使用許可

S106 ← ACK

TP registration
TP登録

TP usage
可能状態

TP available state
TP利用可能状態

TP配信開始(S10)

TP delivery start

【図8】

Fig. 8

user
system

ユーザ
システム

print
system
印刷
システム

profile
delivery system
プロファイル
配信システム

delivery stop/
delete TP
配信停止/
TP削除

S120 →
TP配信停止
TP削除

TP配信停止
TP削除

stop TP delivery/
delete

TP配信停止(S12)

TP delivery stop

Fig.9

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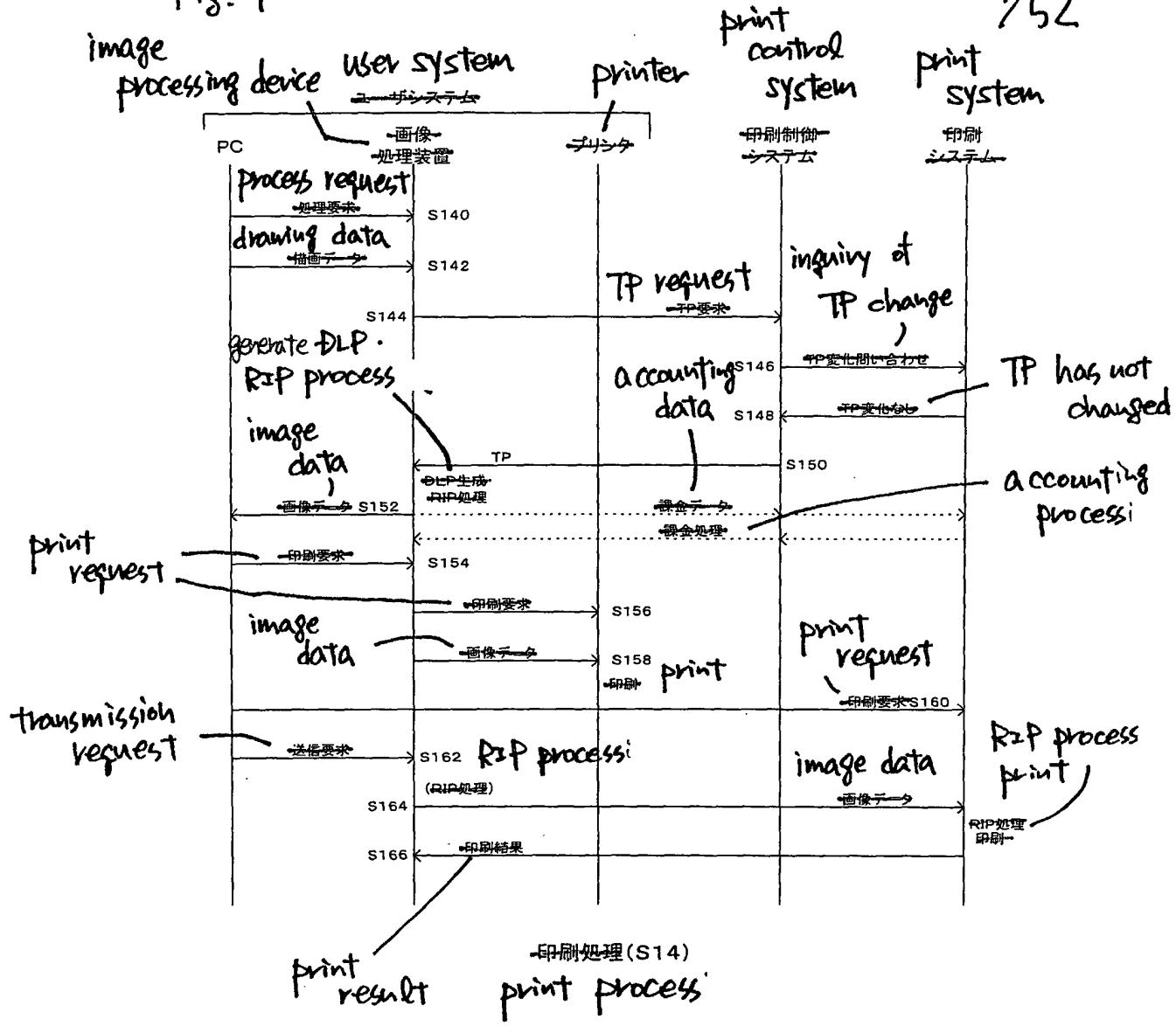


Fig. 10

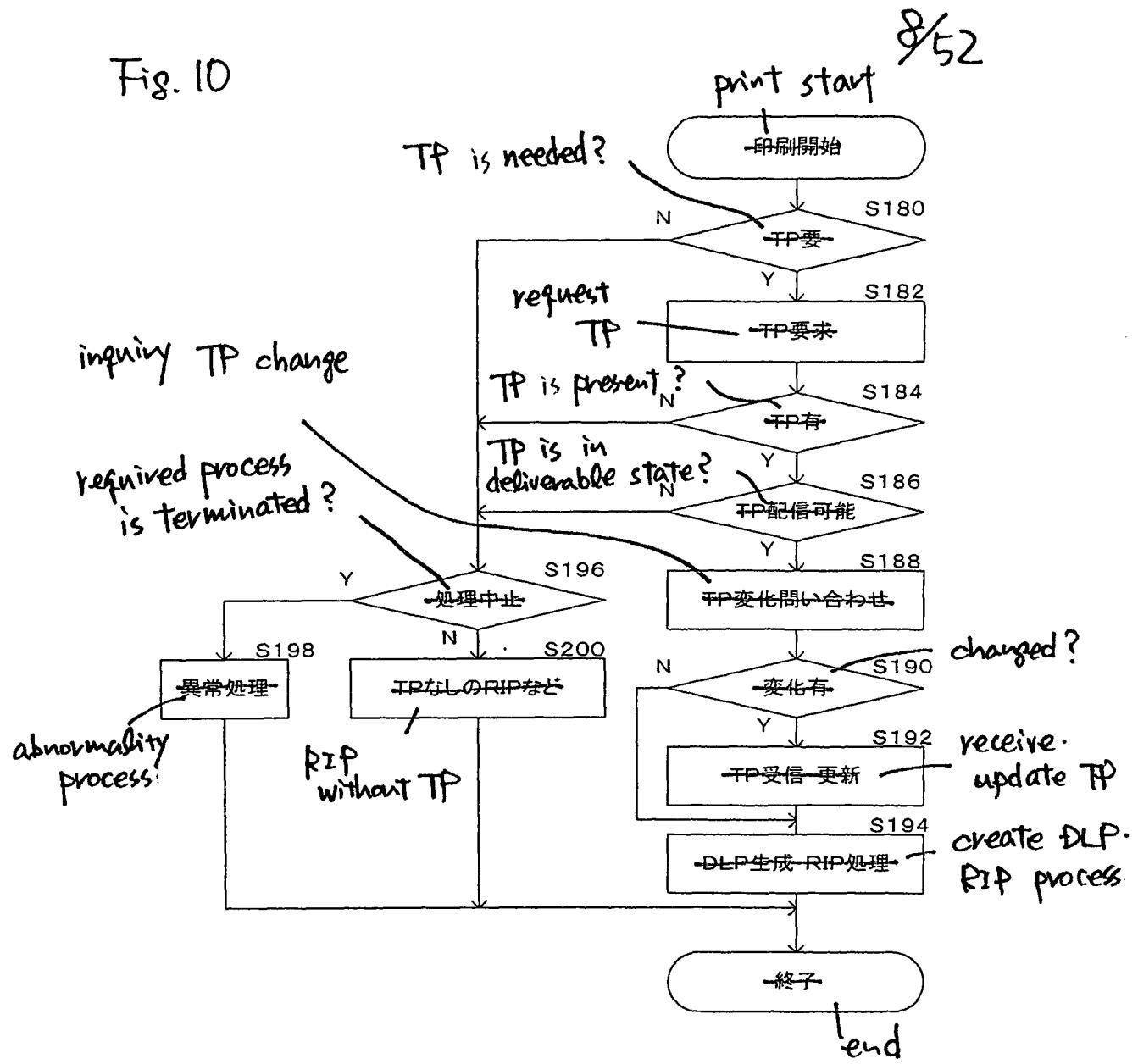
S18

Fig. 11

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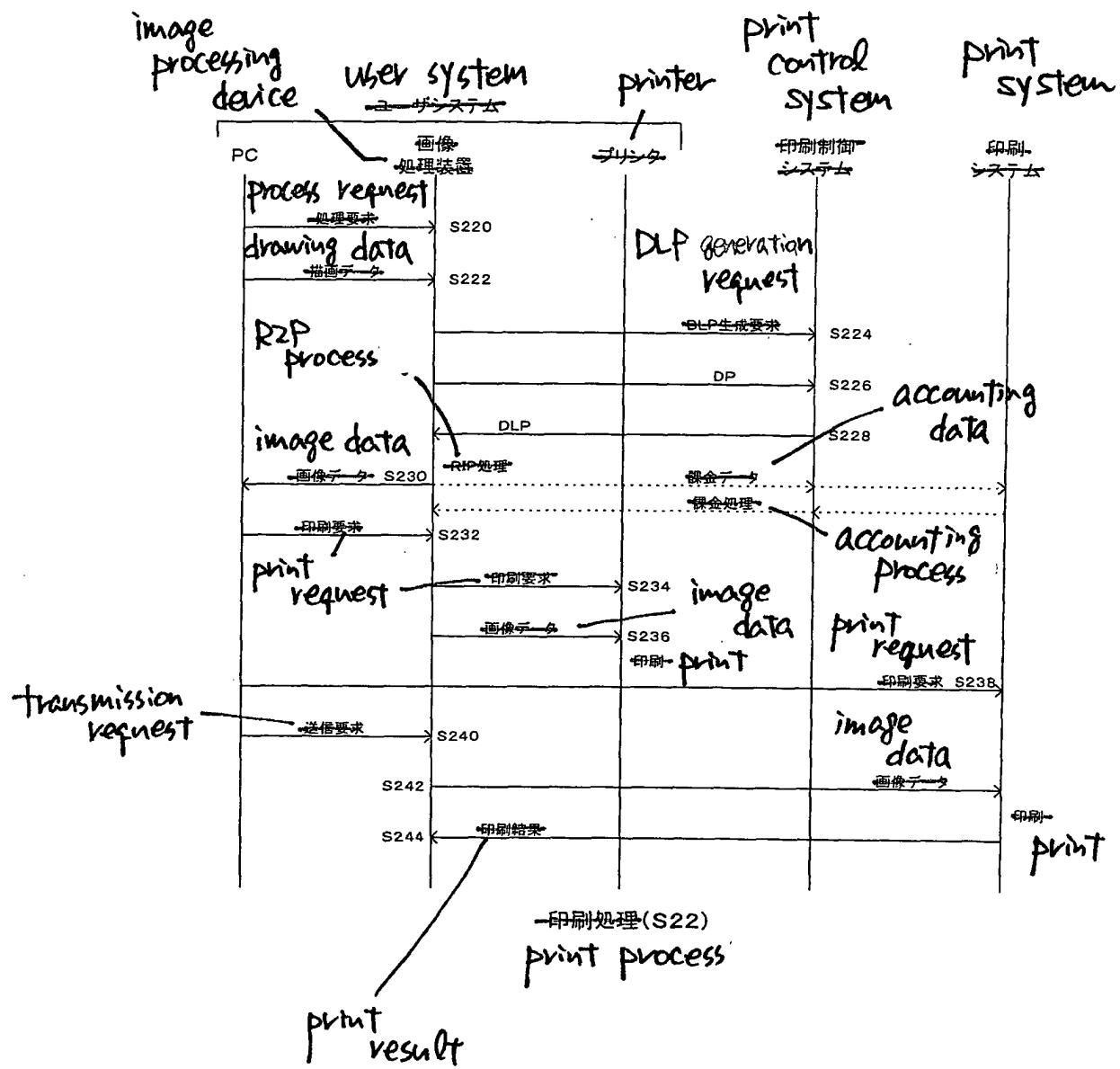
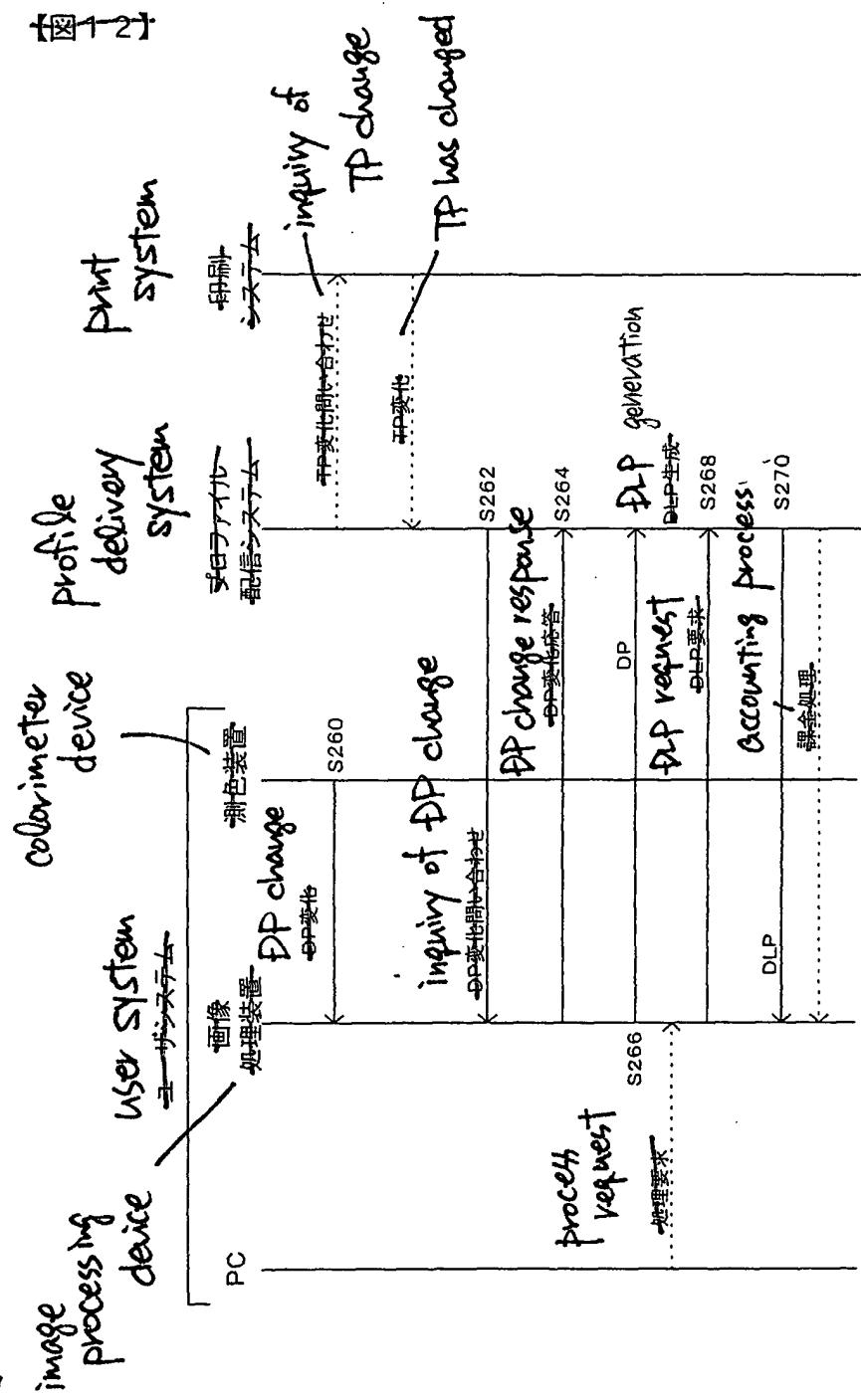


Fig. 12



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DLDP automatic generation process

-DLDP自動生成処理(S26)

Fig. 13

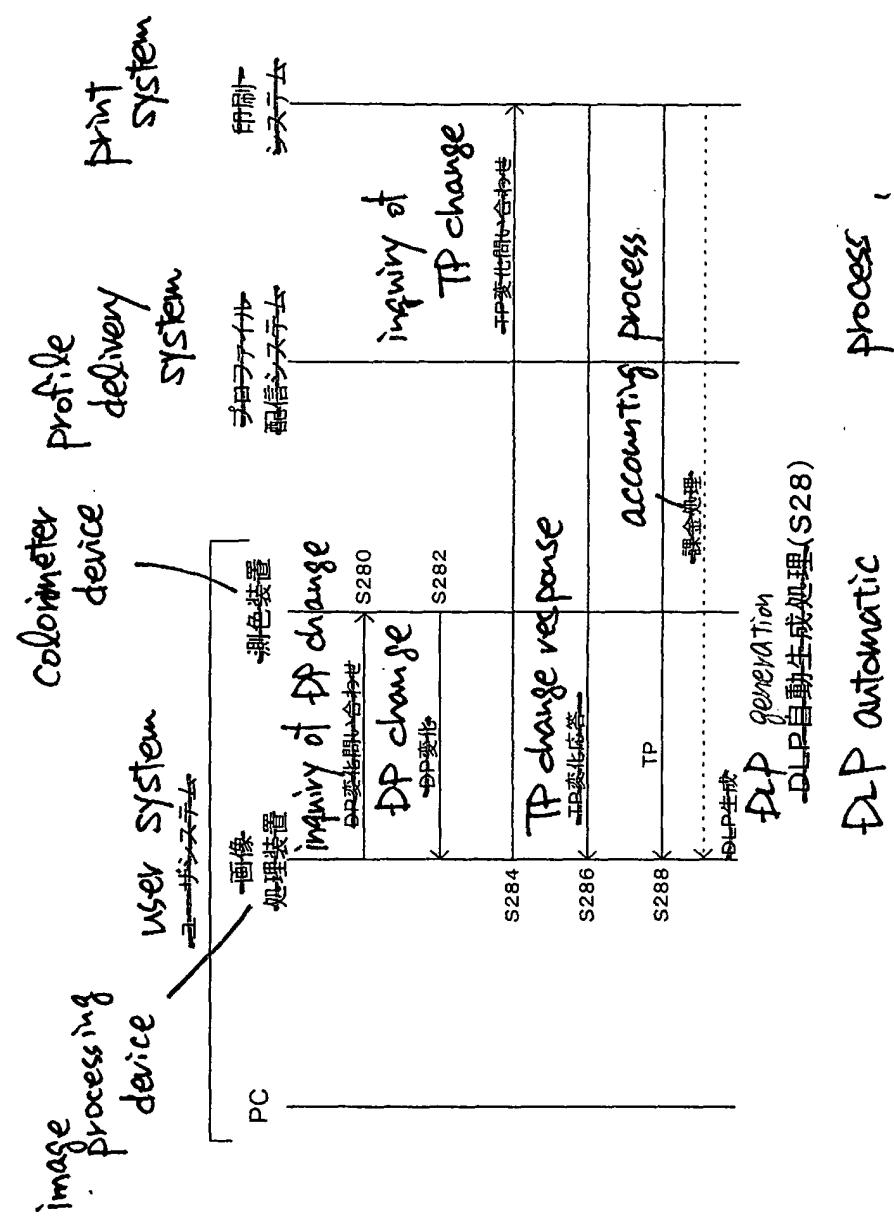
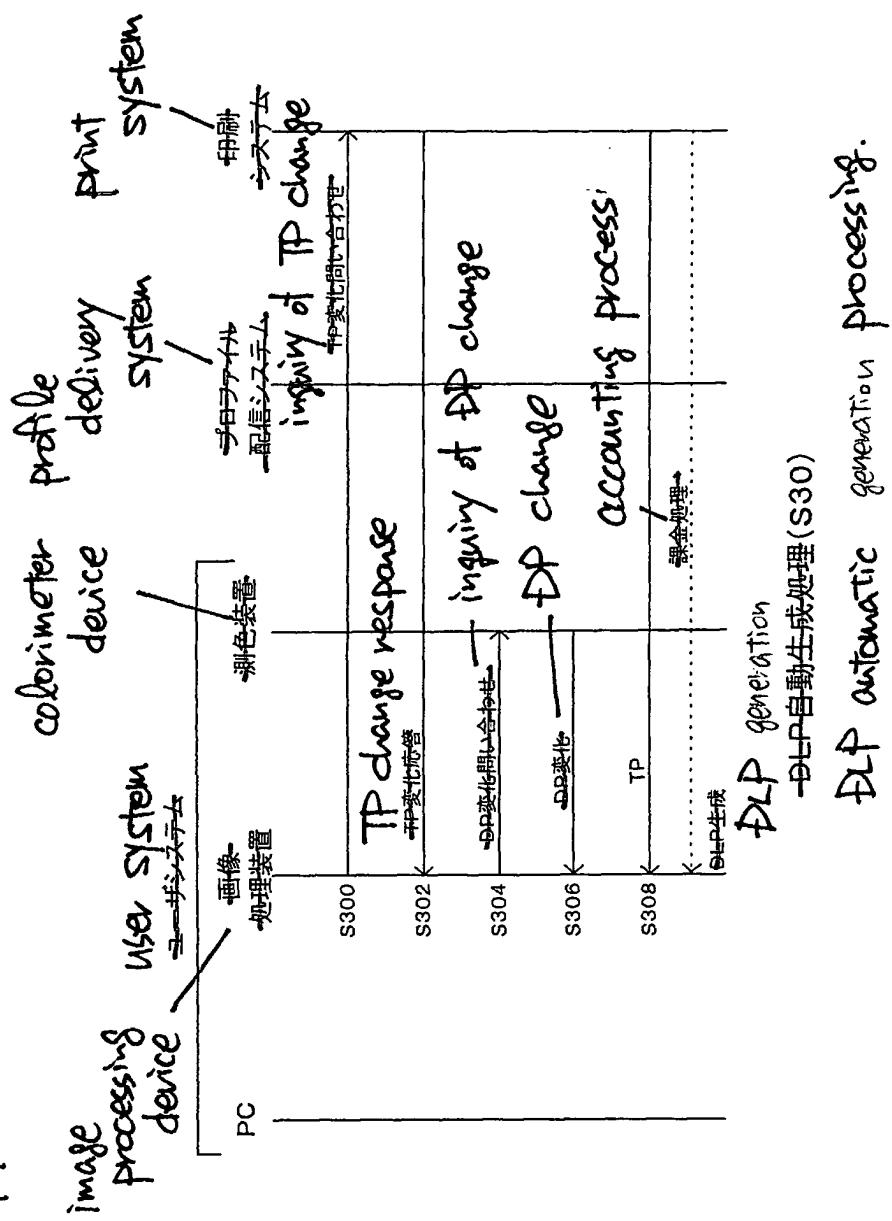


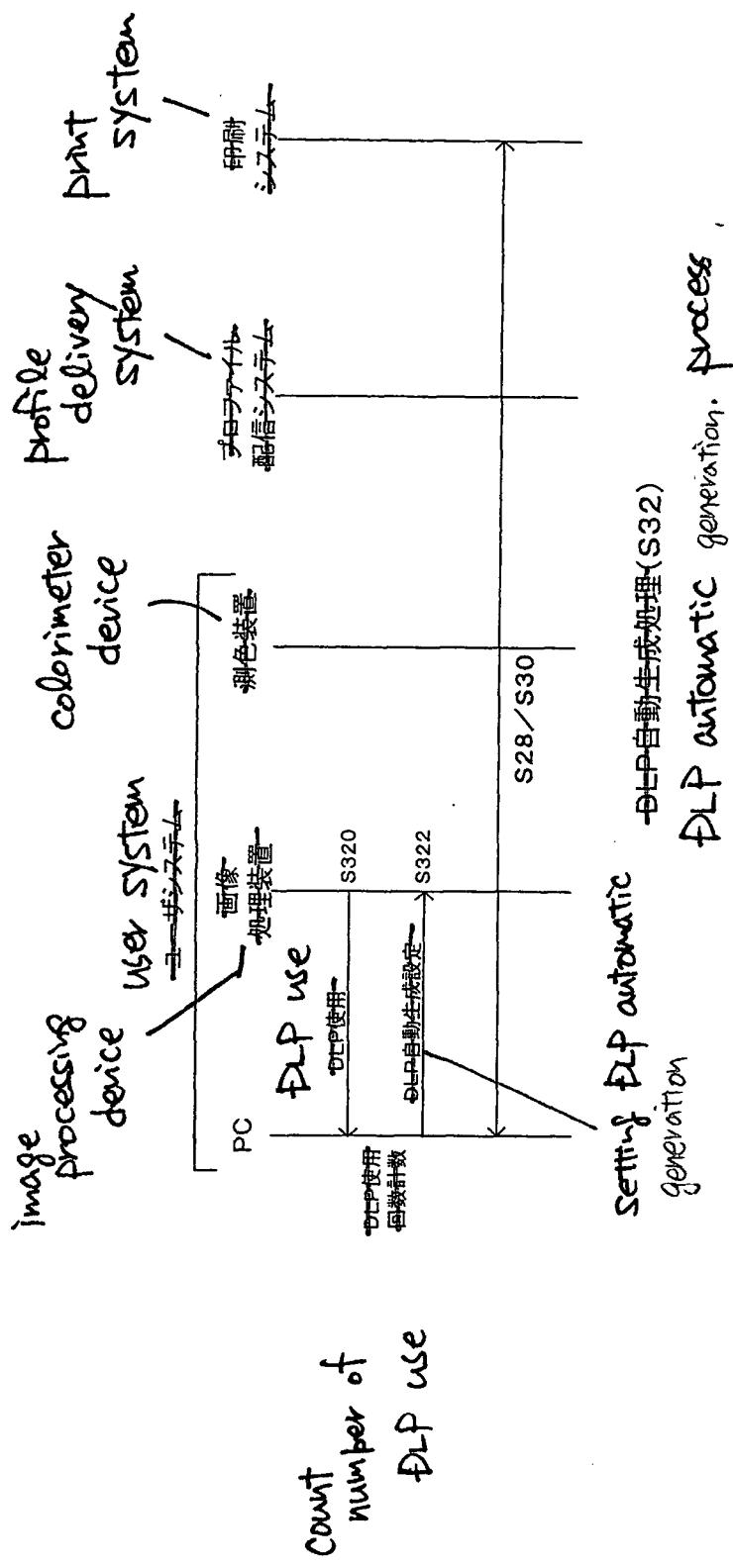
Fig. 14



DLP automatic generation processing.

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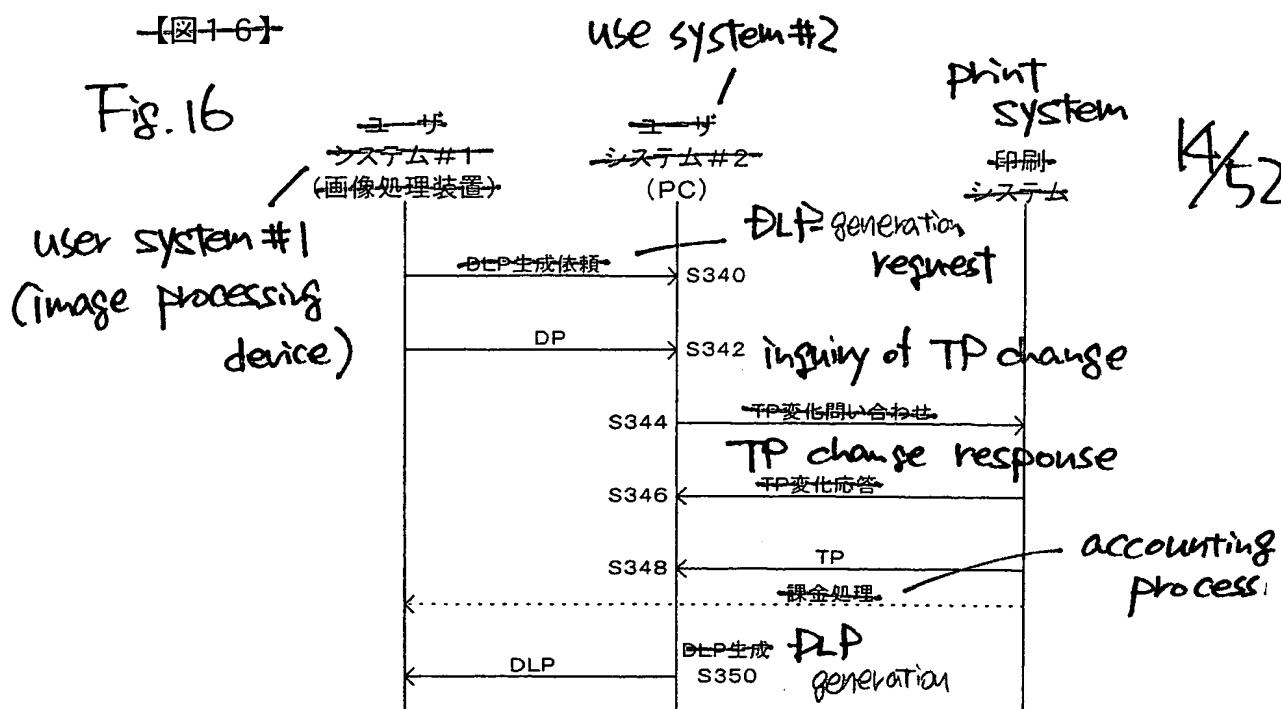
Fig. 15



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【図1-6】

Fig. 16



DLP生成依頼処理(S34)

DLP generation request process

Fig. 17

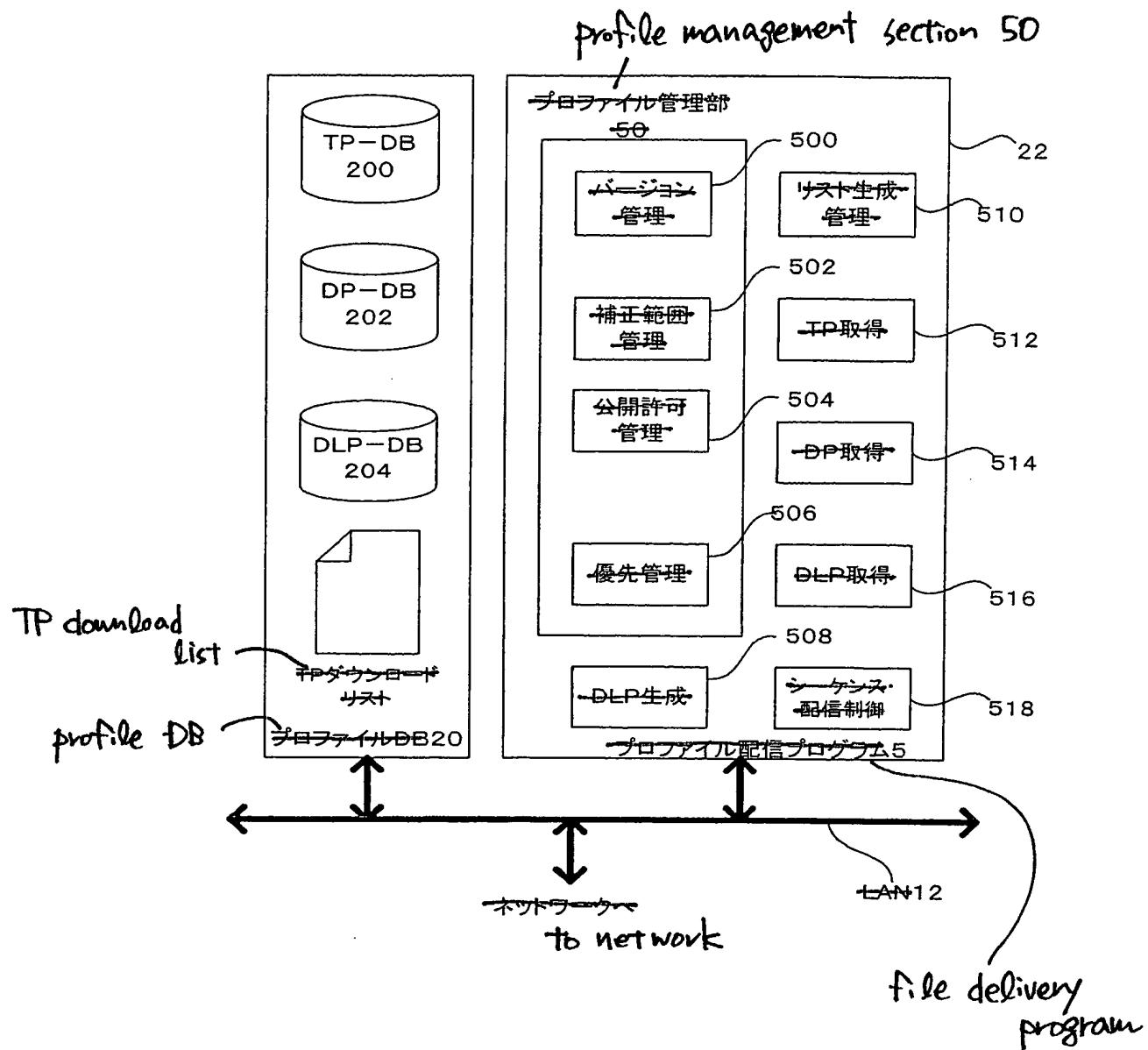


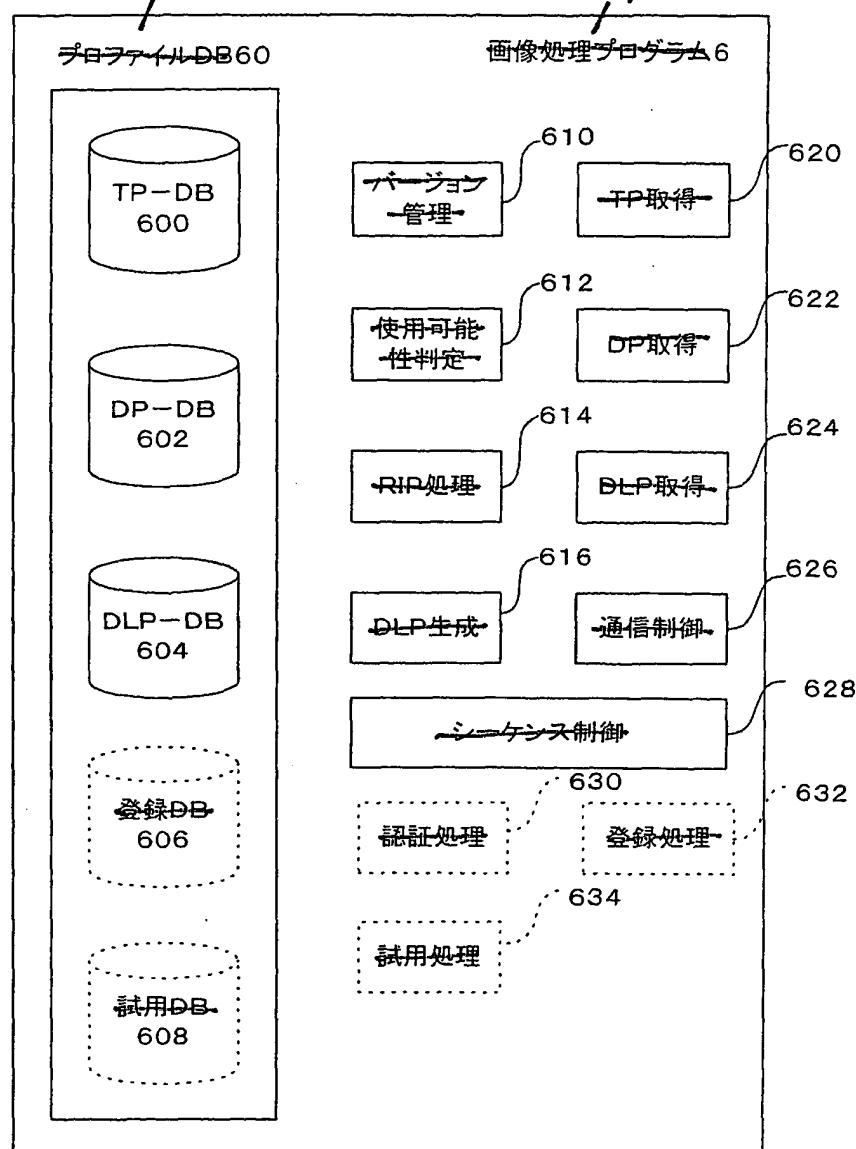
Fig. 17

500 VERSION MANAGEMENT SECTION
502 CORRECTION RANGE MANAGEMENT SECTION
504 PUBLIC AUTHORIZATION MANAGEMENT SECTION
506 PRIORITY MANAGEMENT SECTION
508 DLP GENERATION SECTION
510 LIST GENERATION MANAGEMENT SECTION
512 TP ACQUISITION SECTION
514 DP ACQUISITION SECTION
516 DLP ACQUISITION SECTION
518 SEQUENCE/COMMUNICATION CONTROL SECTION

Fig. 18 profile DB

image processing program

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-画像処理装置42(32)

Fig. 18

606 REGISTRATION DB
608 TRIAL DB
610 VERSION MANAGEMENT SECTION
612 AVAILABILITY DECISION SECTION
614 RIP PROCESS SECTION
616 DLP GENERATION SECTION
620 TP ACQUISITION SECTION
622 DP ACQUISITION SECTION
624 DLP ACQUISITION SECTION
626 COMMUNICATION CONTROL SECTION
628 SEQUENCE CONTROL SECTION
630 AUTHENTICATION PROCESS SECTION
632 REGISTRATION PROCESS SECTION
634 TRIAL PROCESS SECTION

Fig. 19

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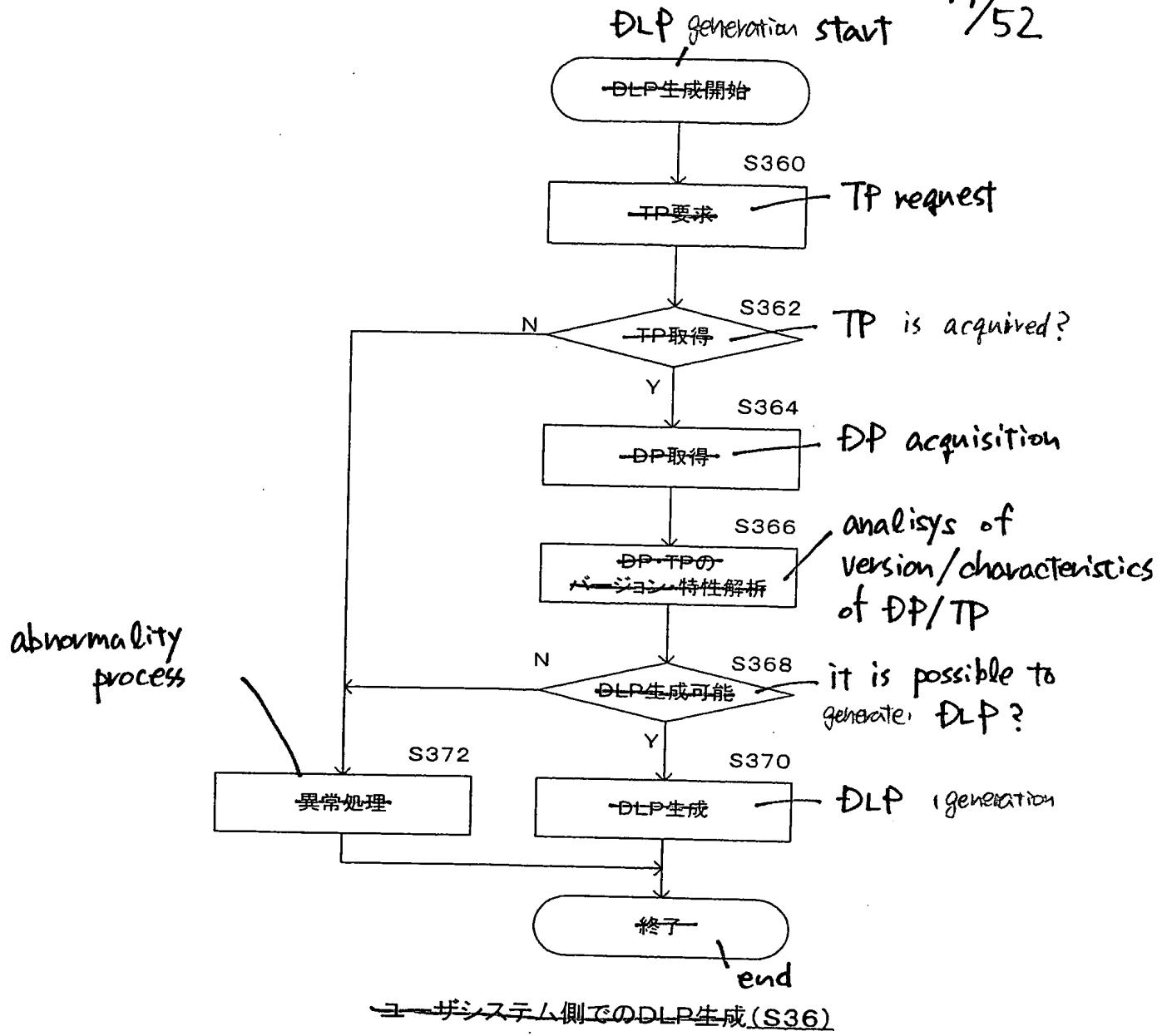
**DLP generation on user system side**

Fig. 20

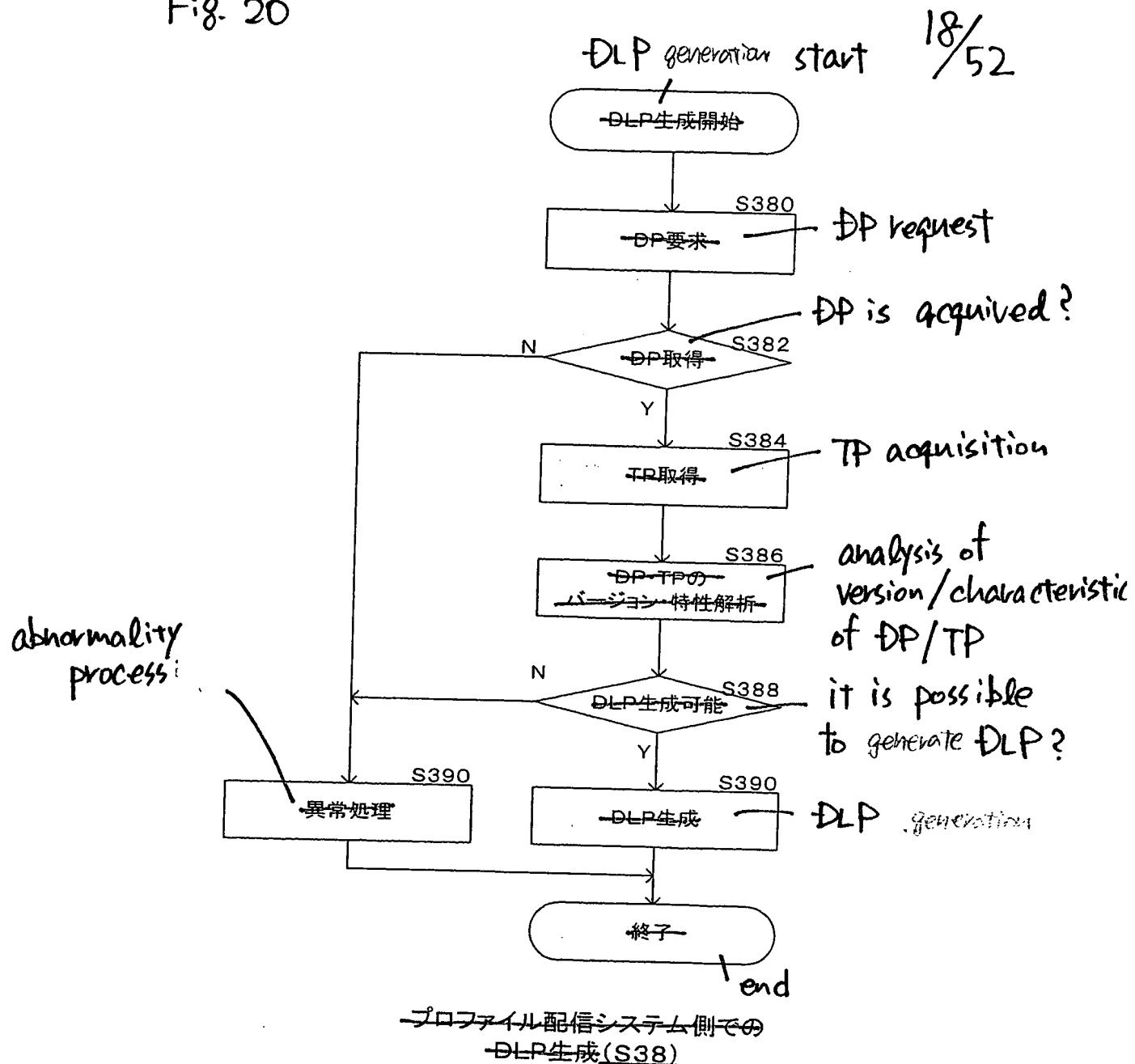
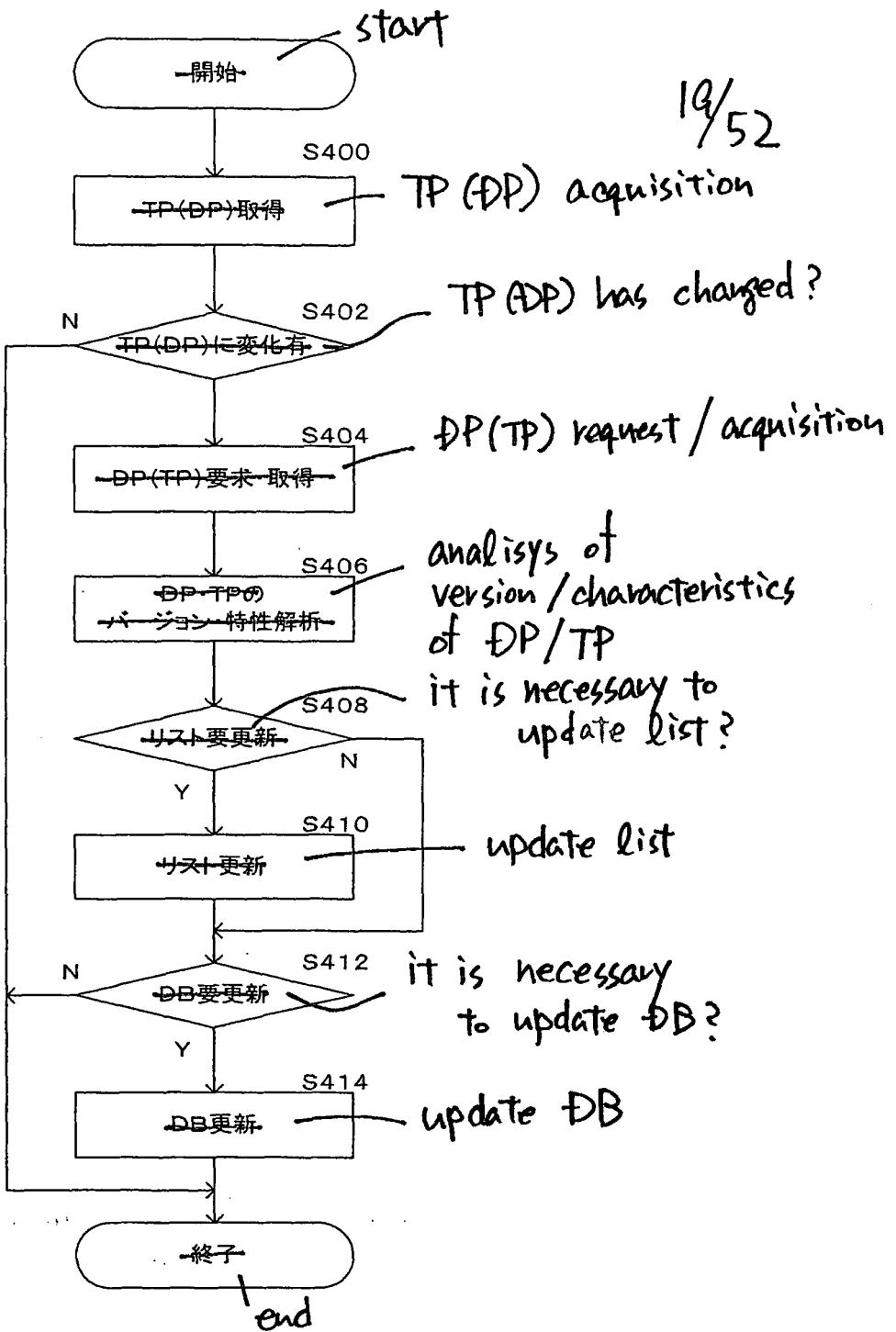


Fig.2

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プロファイル配信システム側
リスト-DB更新(S40)

list / DB update
on profile delivery system side

Fig. 22

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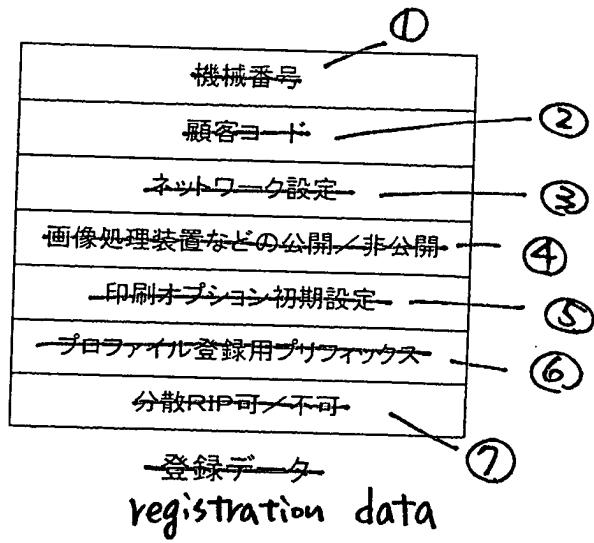


Fig. 22

- ① MACHINE NUMBER
- ② CUSTOMER CODE
- ③ NETWORK SETTING
- ④ PUBLIC/PRIVATE OF IMAGE PROCESSING DEVICE
- ⑤ INITIAL SETTING OF PRINT OPTION
- ⑥ PROFILE REGISTERING PREFIX
- ⑦ DECENTRALIZED RIP POSSIBLE/IMPOSSIBLE

Fig. 23

①	依頼元
②	用紙サイズ
③	カラー／白黒
④	印刷部数
⑤	原稿タイプ
⑥	画質モード
⑦	プリントモード
⑧	色変換モード
⑨	片面／両面
⑩	拡大／等倍／縮小
⑪	Nアップ指定
⑫	排出先指定
⑬	スプールオプション
⑭	RIP済データ保存
⑮	差し込み印刷
⑯	色変換(プロファイル)指定
⑰	カバーページ
⑱	用紙種類
⑲	その他(時刻指定など)

印刷オプション
print option

Fig. 23

- ① REQUESTER
- ② PAPER SIZE
- ③ COLOR/BLACK-AND-WHITE
- ④ PRINTED NUMBER
- ⑤ DOCUMENT TYPE
- ⑥ PICTURE QUALITY MODE
- ⑦ PRINTER MODE
- ⑧ COLOR CONVERSION MODE
- ⑨ SINGLE/DOMBLE SIDES
- ⑩ MAGNIFY/EQUAL/REDUCE
- ⑪ N-UP DESIGNATION
- ⑫ DESTINATION OF DISCHARGE
- ⑬ SPOOL OPTION
- ⑭ RIP PROCESSED DATA STORAGE
- ⑮ MERGING PRINT
- ⑯ COLOR CHANGE (PROFILE) DESIGNATION
- ⑰ COVER PAGE
- ⑱ PAPER KIND
- ⑲ OTHERS (TIME DESIGNATION)

Fig. 24

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RIP data

Fig. 24

- ① REQUESTER
- ② RIP STATUS
- ③ COLOR/BLACK-AND-WHITE
- ④ PICTURE QUALITY MODE
- ⑤ PRINTER MODE
- ⑥ PAPER SIZE
- ⑦ NUMBER OF PRINTS TO BE PROCESSED
- ⑧ RIP PAGE
- ⑨ RIP TIME
- ⑩ START TIME
- ⑪ FILE SIZE
- ⑫ PRESENCE/ABSENCE OF COVER PAGE
- ⑬ PRESENCE/ABSENCE OF RIP-PROCESSED DATA
- ⑭ COLOR CONVERSION (PROFILE) DESIGNATION
- ⑮ DECENTRALIZED RIP

Fig. 25

・処理種別(RIP/印刷)	①
・課金先(依頼元)	②
・カラー/白黒	③
・用紙サイズ	④
・処理部数	⑤
・ページ数	⑥
・カバーページ有/無	⑦
・用紙種類	⑧
・片面/両面	⑨
・分散RIP	⑩

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印刷データ

print data

Fig. 25

- ① PROCESSING KIND (RIP/PRINT)
- ② ACCOUNTING TARGET (REQUESTER)
- ③ COLOR/WHITE-AND-BLACK
- ④ PAPER SIZE
- ⑤ NUMBER OF PRINTS TO BE PROCESSED
- ⑥ PAGE NUMBER
- ⑦ PRESENCE/ABSENCE OF COVER PAGE
- ⑧ PAPER KIND
- ⑨ SINGLE/DOMBLE SIDES
- ⑩ DECENTRALIZED RIP

-[図2-6]-

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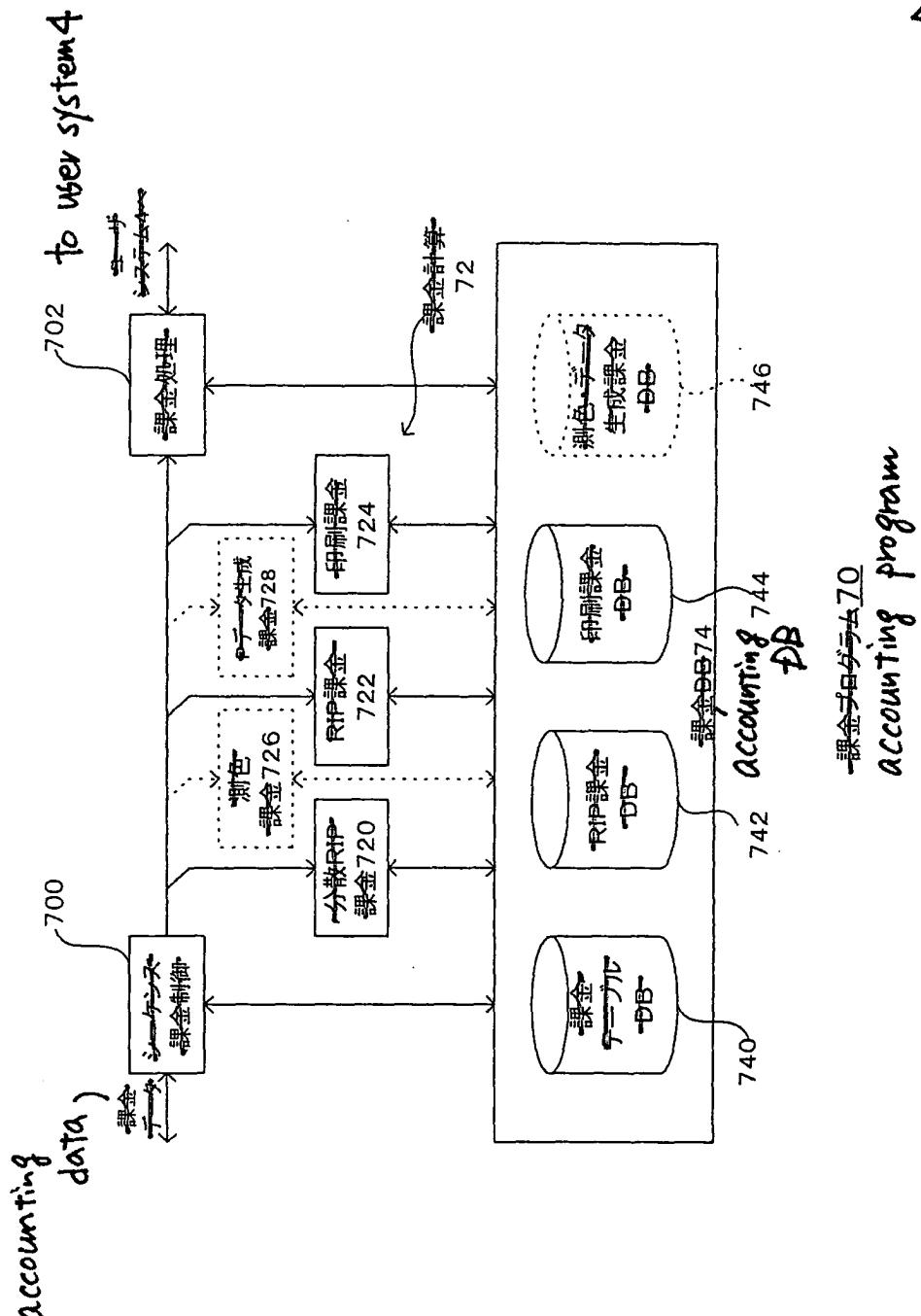


Fig. 26

Fig. 26

700 SEQUENCE/ACCOUNTING CONTROL SECTION
702 ACCOUNTING PROCESS SECTION
720 DECENTRALIZED RIP ACCOUNTING SECTION
722 RIP ACCOUNTING SECTION
724 PRINT ACCOUNTING SECTION
726 COLORIMETRY ACCOUNTING SECTION
728 P-DATA GENERATION ACCOUNTING SECTION
740 ACCOUNTING TABLE DB
742 RIP ACCOUNTING DB
744 PRINT ACCOUNTING DB
746 COLORIMETRY/DATA GENERATION ACCOUNTING DB

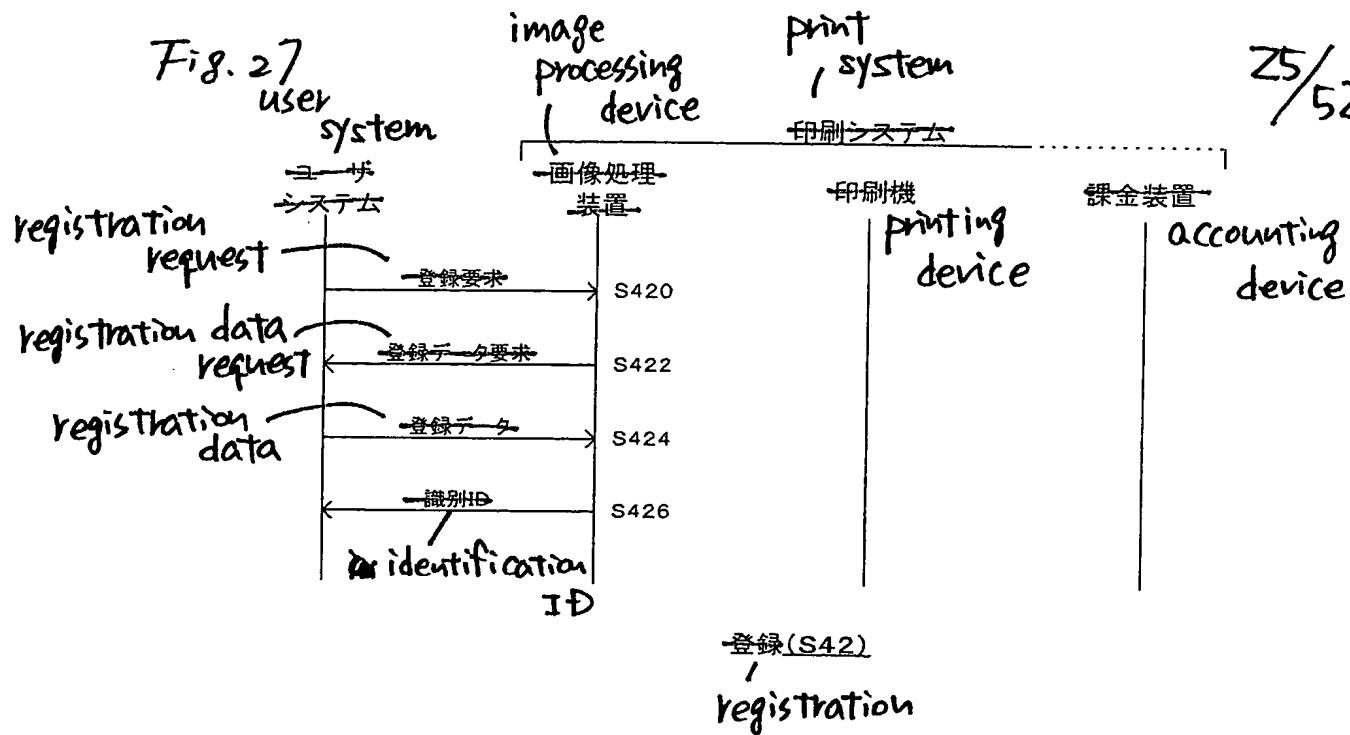


Fig. 28

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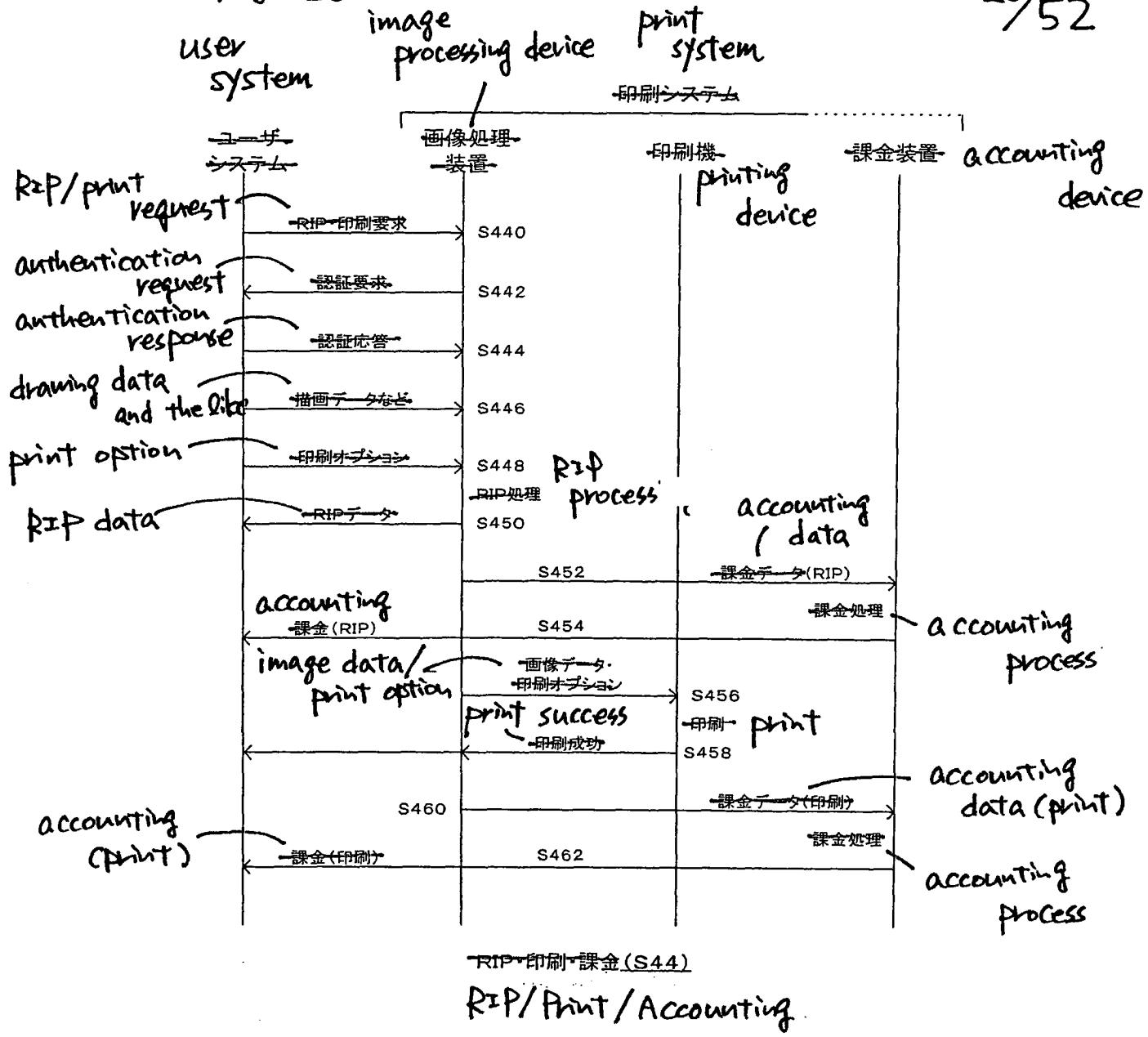
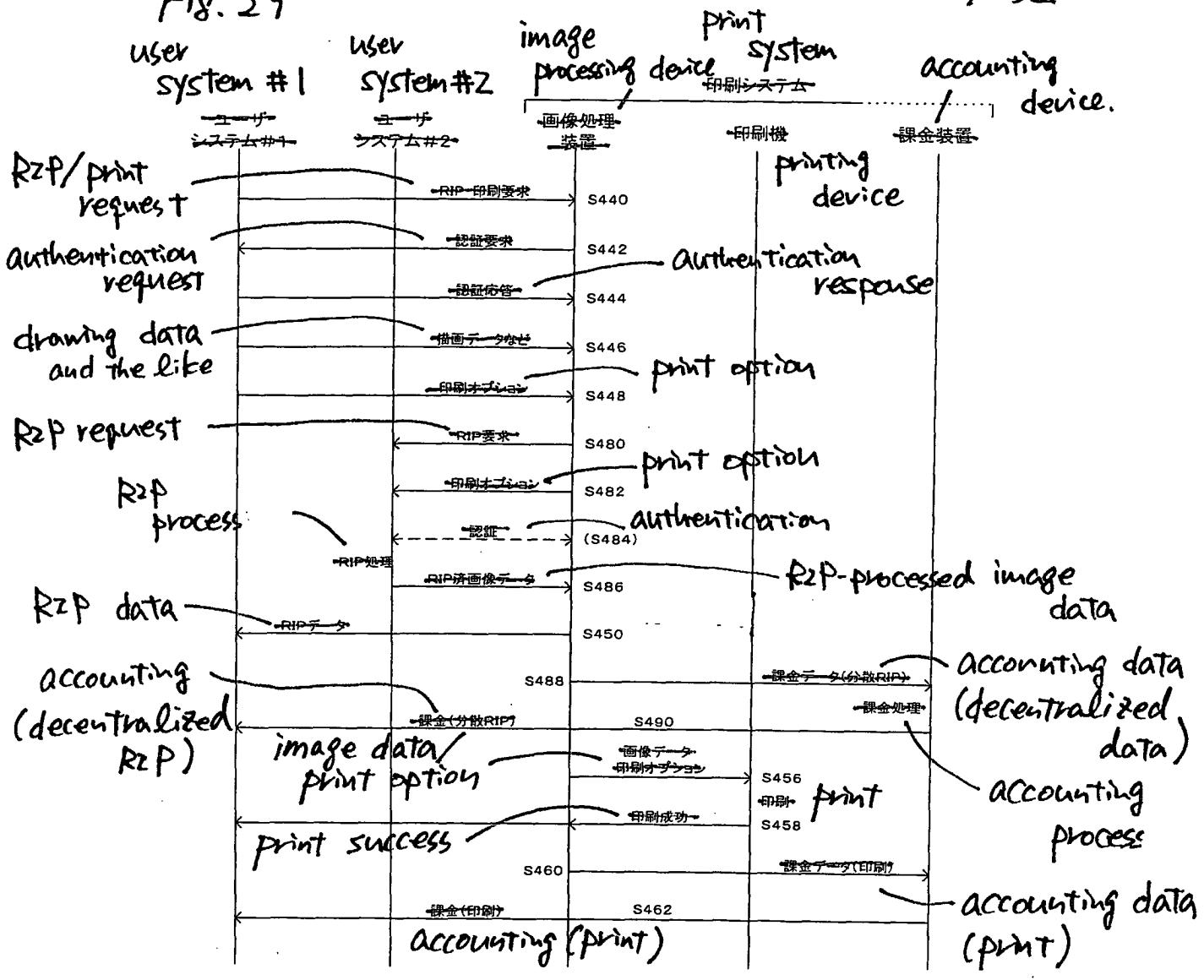


Fig. 29

分散RIP-印刷-課金 (S48)

decentralized RzP/print/accounting

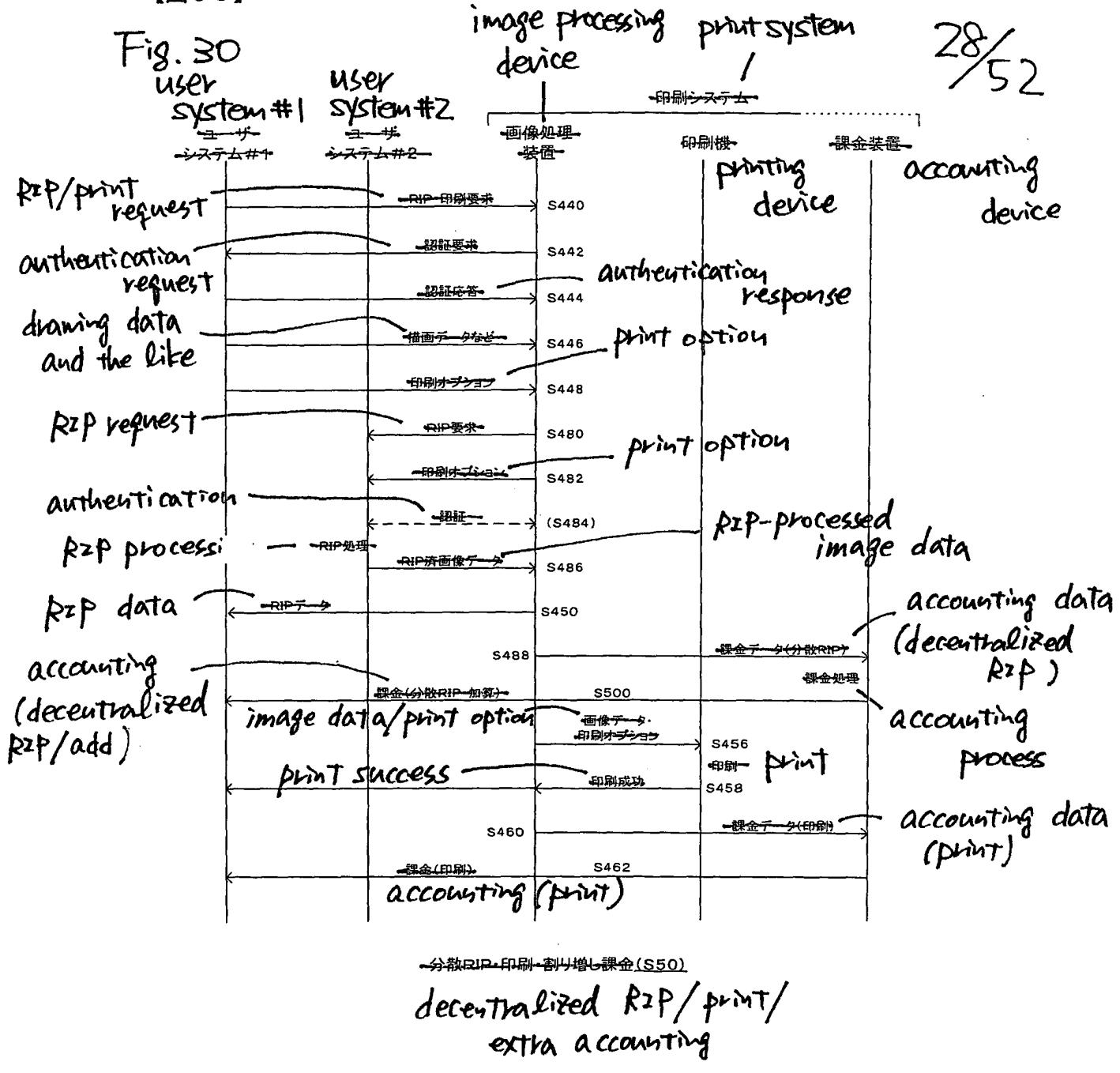
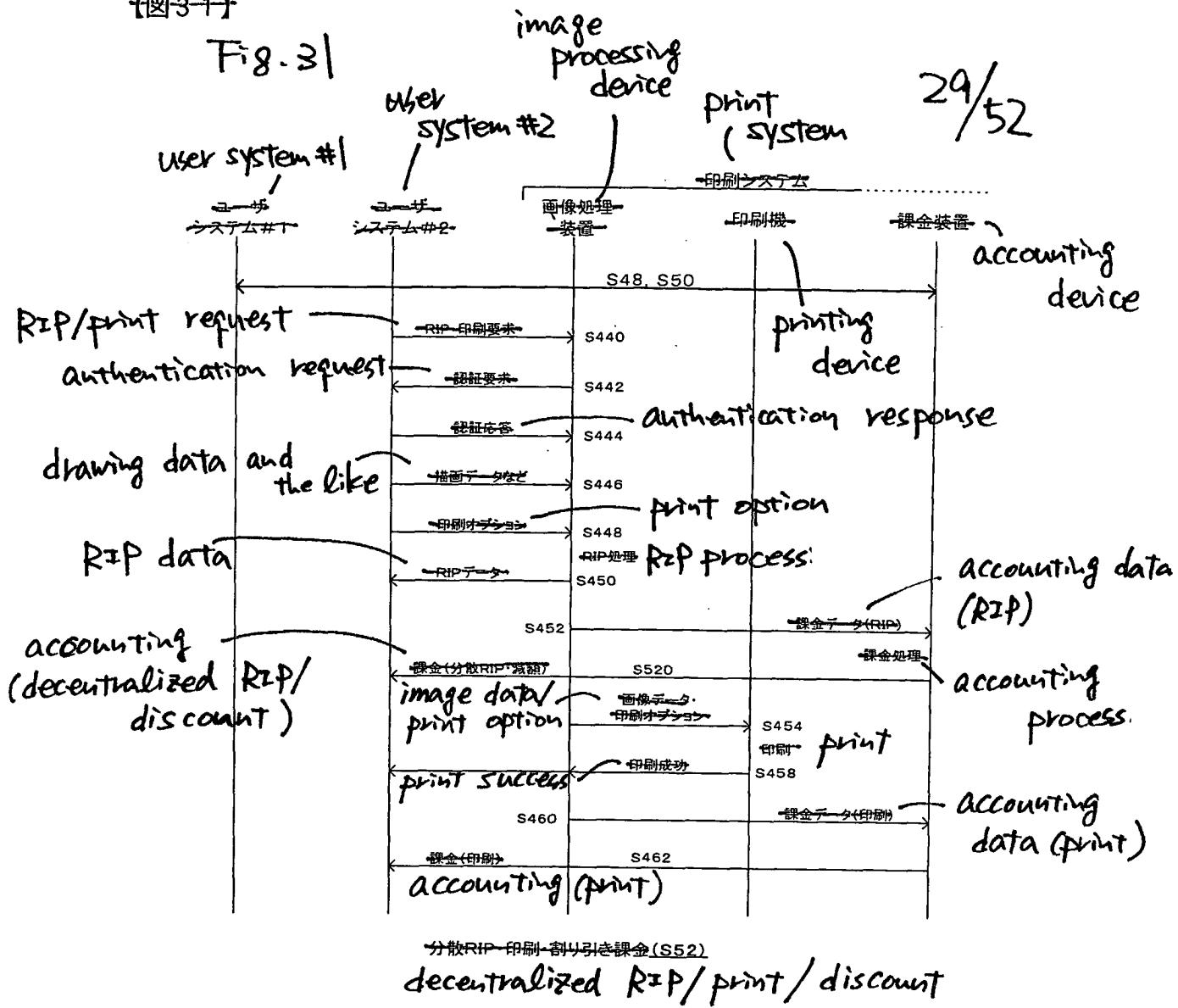


Fig. 3-1

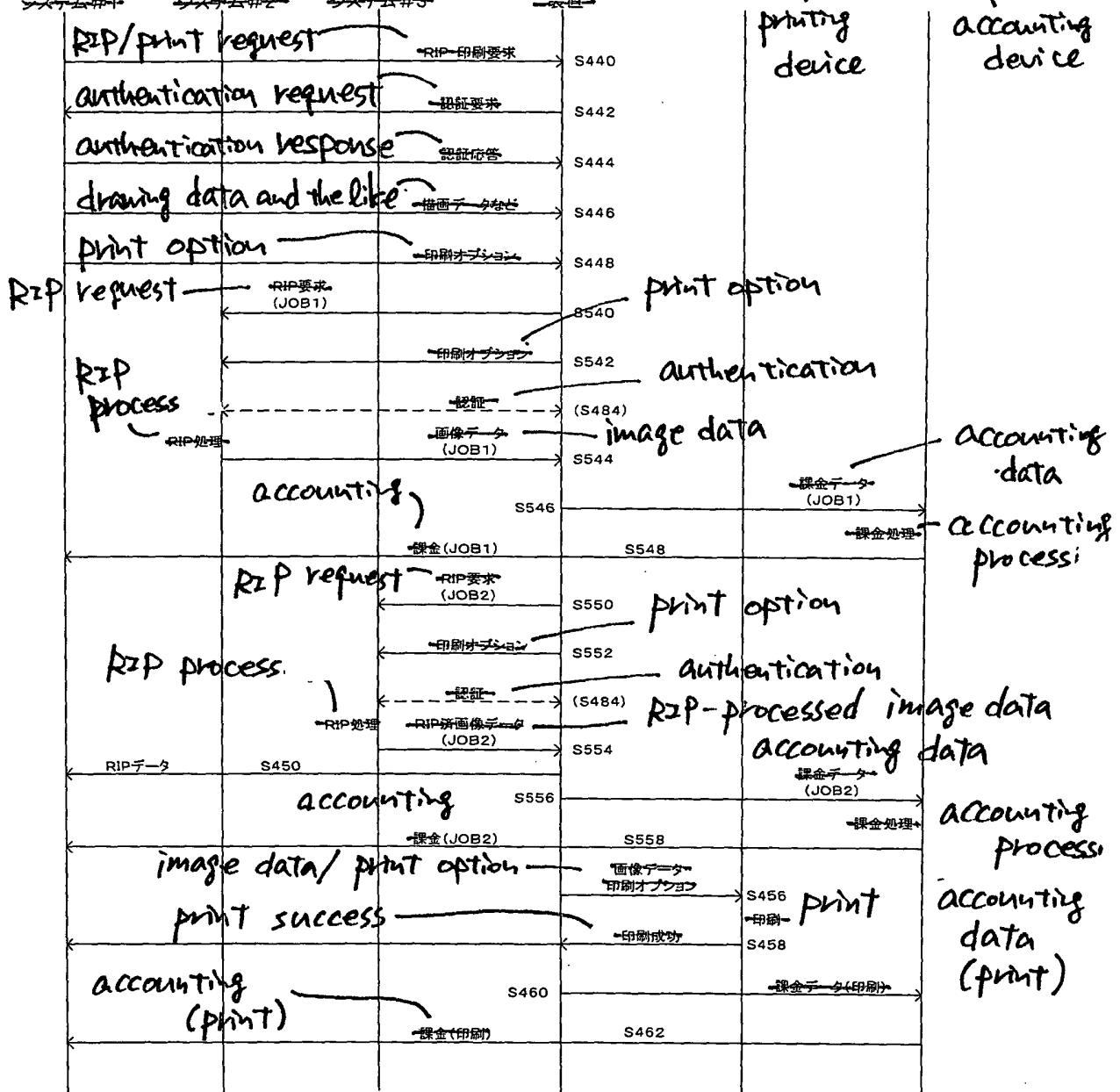


-[図3-2]-

Fig.32

user
system #1
user
system #2
user
system #3image
processing device
print
system

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Fig.3-3
user systemaccounting
information

課金情報	
#1	通常 RIP — normal RIP
	要求した分散 RIP — requested decentralized RIP
	受け入れた分散 RIP — JOB-ii
	印刷 print
#2	通常 RIP — JOB-i
	要求した分散 RIP — JOB-ii, JOB-iii
	受け入れた分散 RIP —
	印刷 print — JOB-i, JOB-ii, JOB-iii
#2	通常 RIP — normal
	要求した分散 RIP — JOB-iii
	受け入れた分散 RIP —
	印刷 print

Received decentralized RIP

target of extra accounting

割引対象

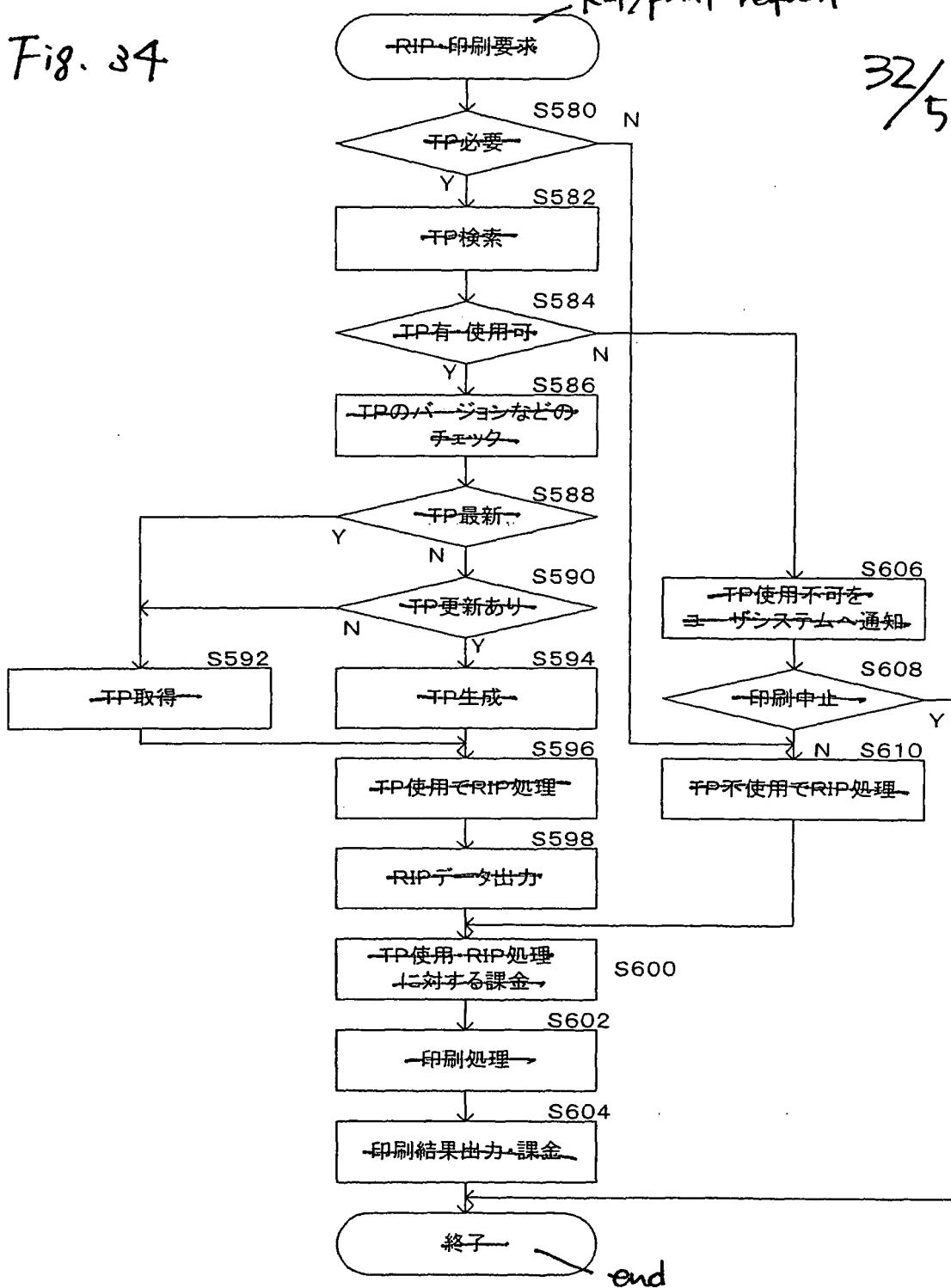
target of discount.

[図3-4]

Fig. 34

RIP/print request

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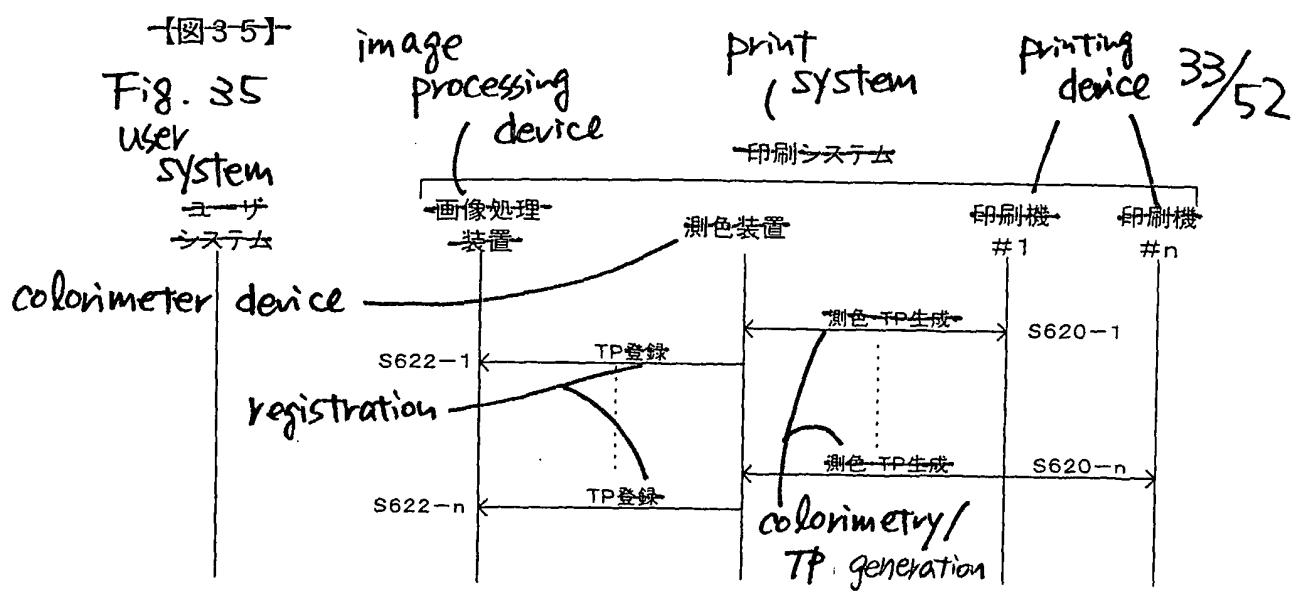


TP検索・RIP・印刷(S58)

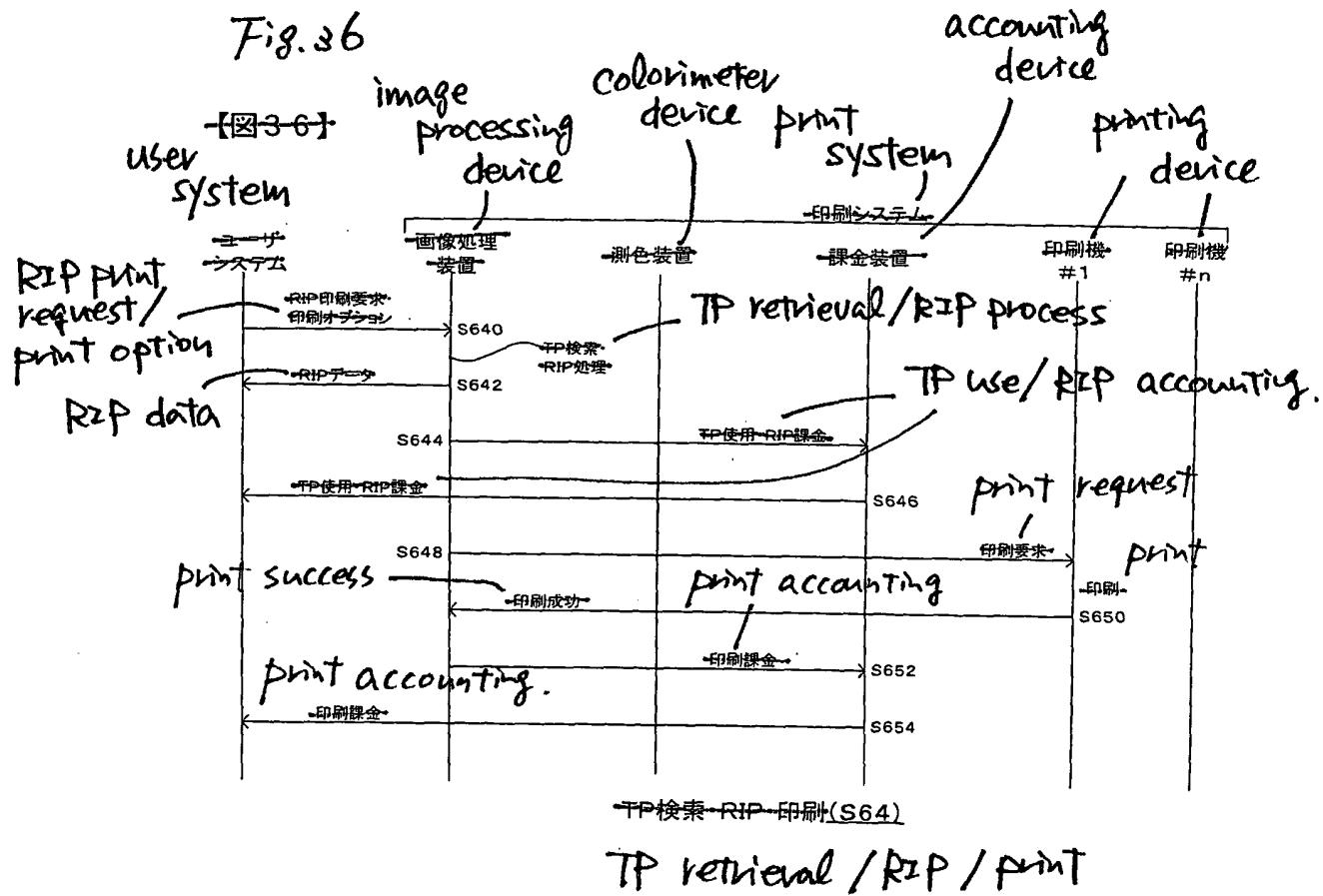
TP retrieval / RIP / print

Fig. 34

S580 TP IS NECESSARY ?
S582 TP RETRIEVAL
S584 TP EXISTS/IS AVAILABLE?
S586 CHECK TP VERSION
S588 LATEST TP ?
S590 TP HAS BEEN UPDATED ?
S592 TP ACQUISITION
S594 TP GENERATION
S596 RIP PROCESS USING TP
S598 OUTPUT RIP DATA
S600 ACCOUNT FOR TP USE/RIP PROCESS
S602 PRINT PROCESS
S604 OUTPUT PRINT RESULT/ACCOUNT
S606 INFORM USER SYSTEM OF UNAVAILABILITY OF TP
S608 PRINT IS TERMINATED?
S610 RIP PROCESSING WITHOUT TP

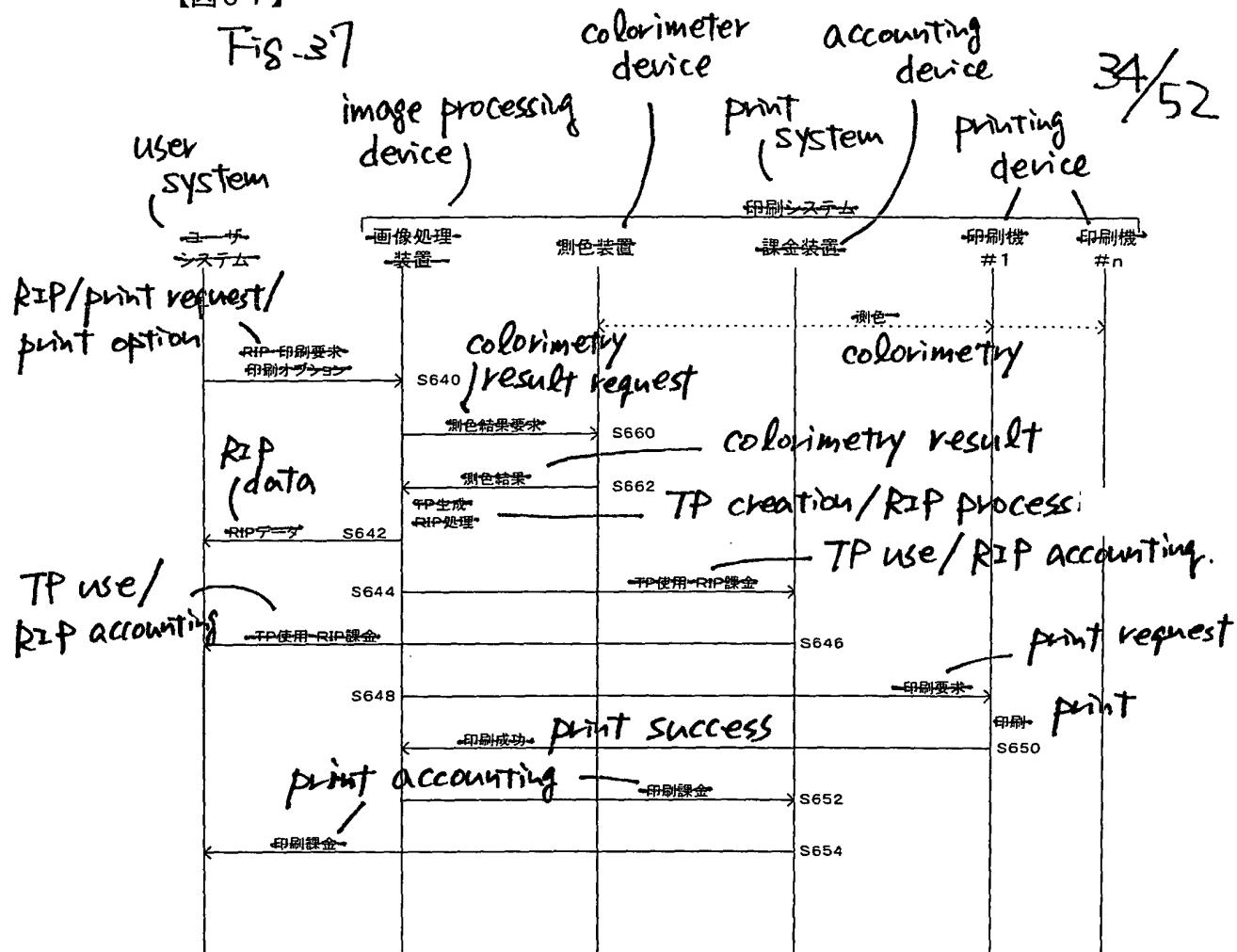


TP 生成 登録 (S62)
TP generation / registration



[図3-7]

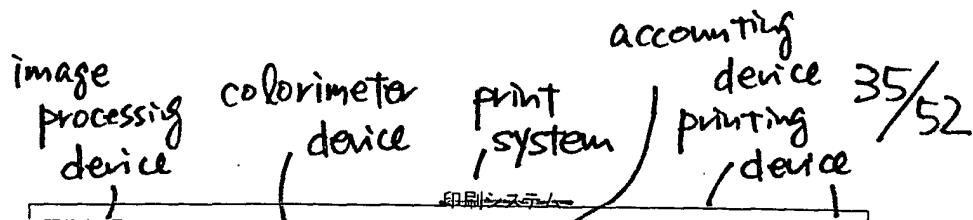
Fig. 3-7



TP 使用 RIP 印刷 (S66)

RIP with TP / print

[図3-8]

Fig. 38
user system

RIP/print
request/
print option

no TP/
terminate
print/
process/
continue

RIP data

RIP accounting

RIP+印刷要求
印刷オプション

S640 調色結果要求

S660 調色結果なし

S680 印刷無し、
印刷処理中止、
続行

S682 印刷処理続行

S684 不TP使用RIP

S642 RIP

S648

調色成功 S650

print success

印刷成功 S650

print accounting

不TP使用RIP+印刷(S68)

RIP without TP/print

accounting

device

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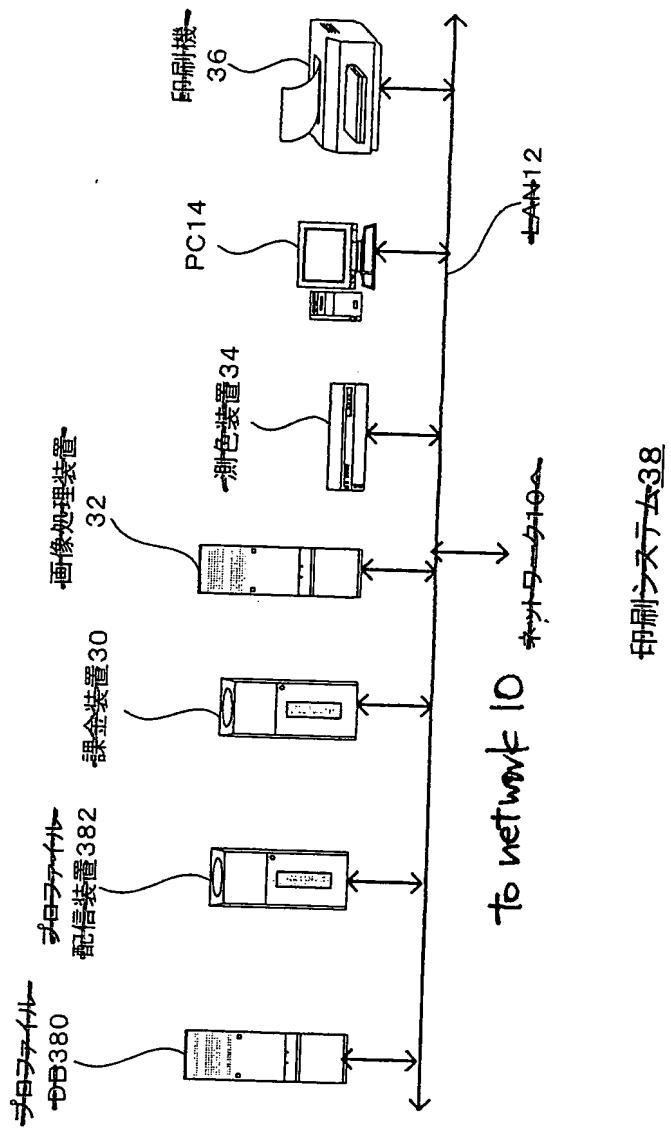
printing

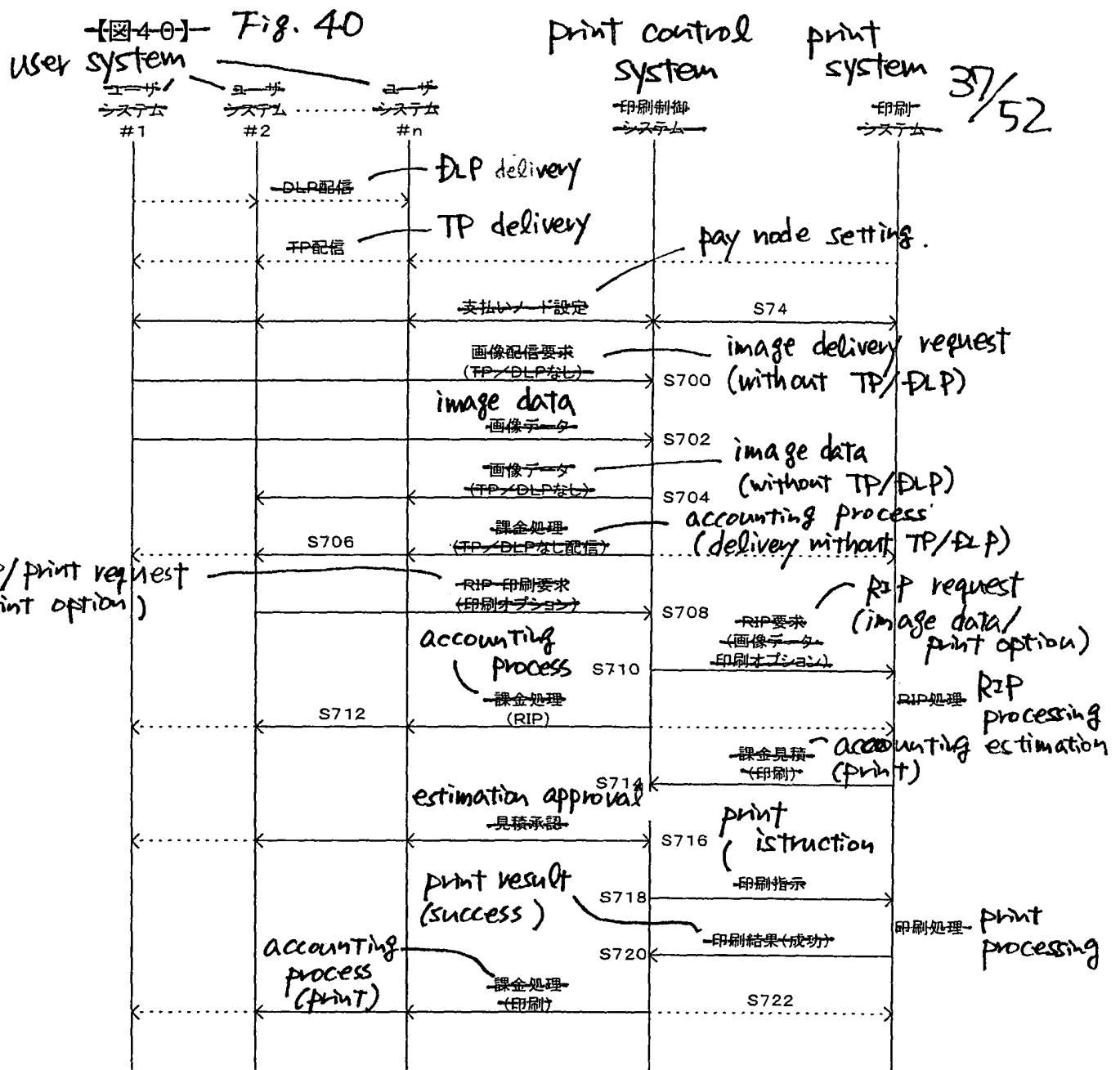
device

printing

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Fig. 39

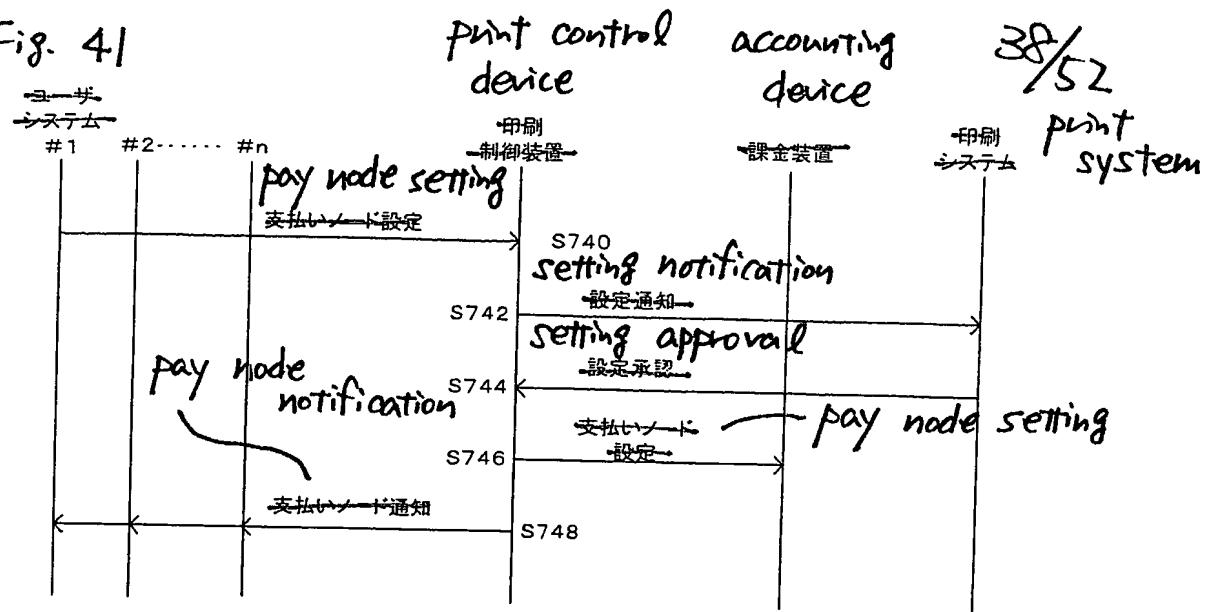




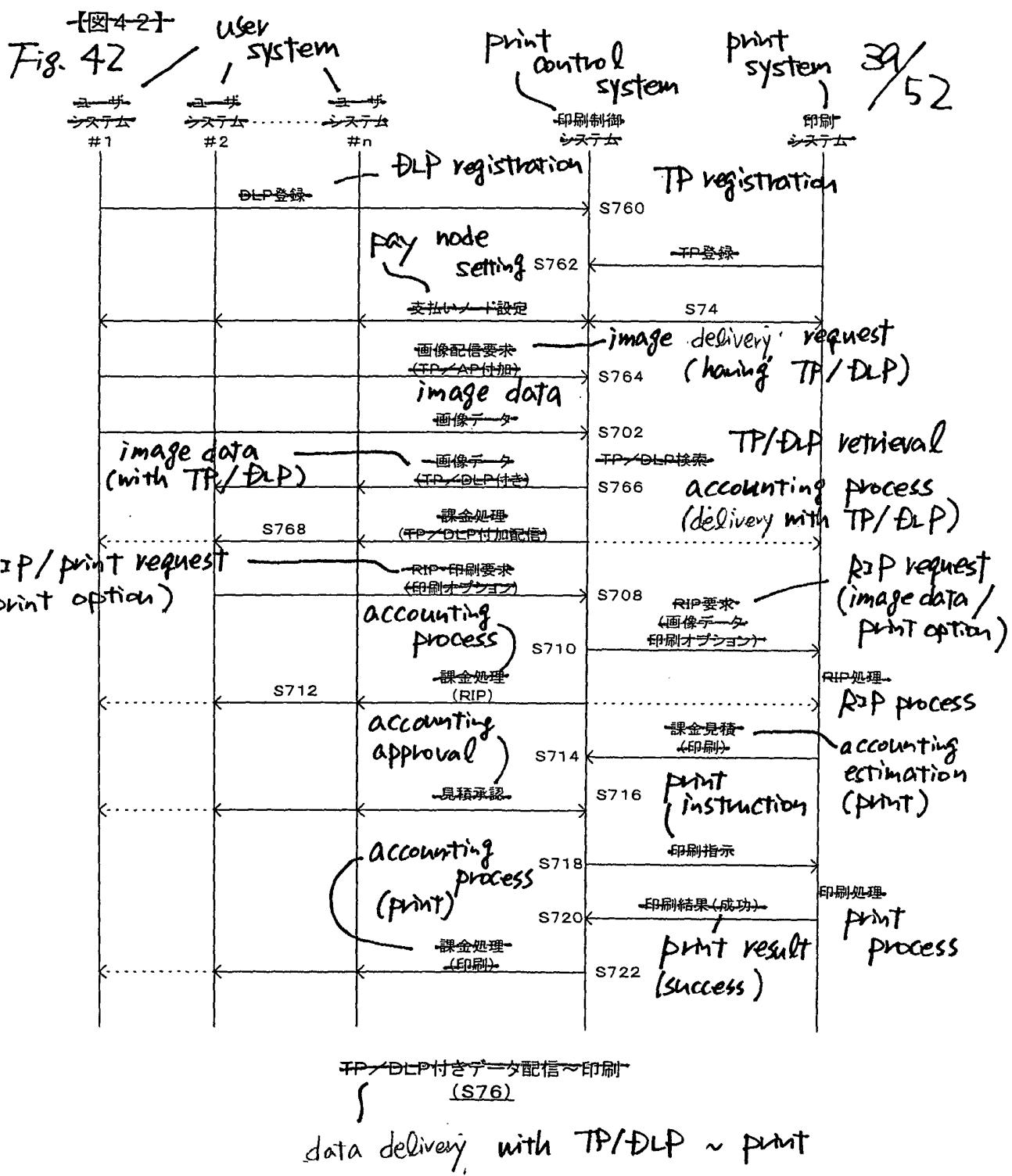
TP/DLPなしデータ配信～印刷
(S70)

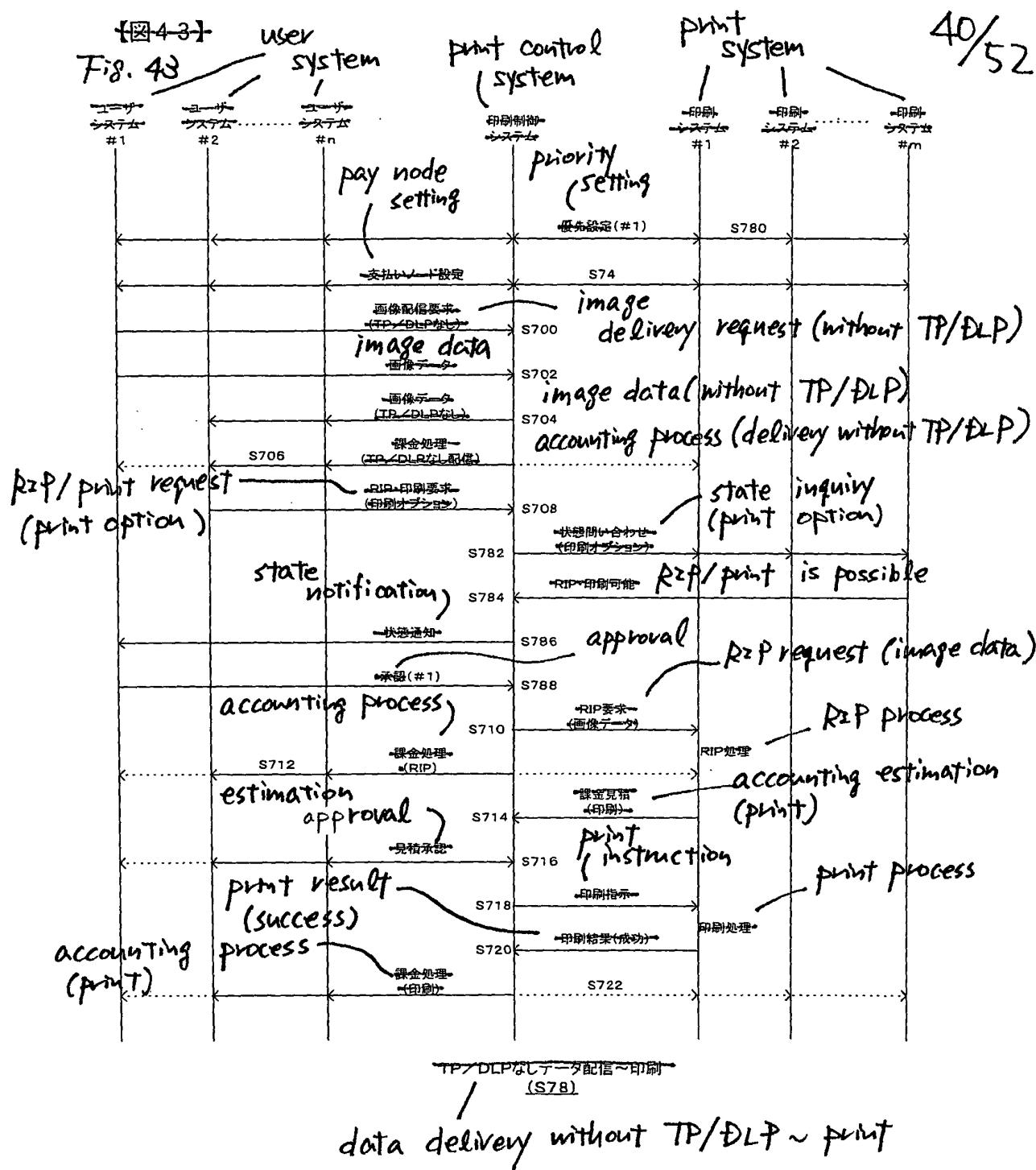
delivery of data without TP/DLP
~ print

Fig. 41

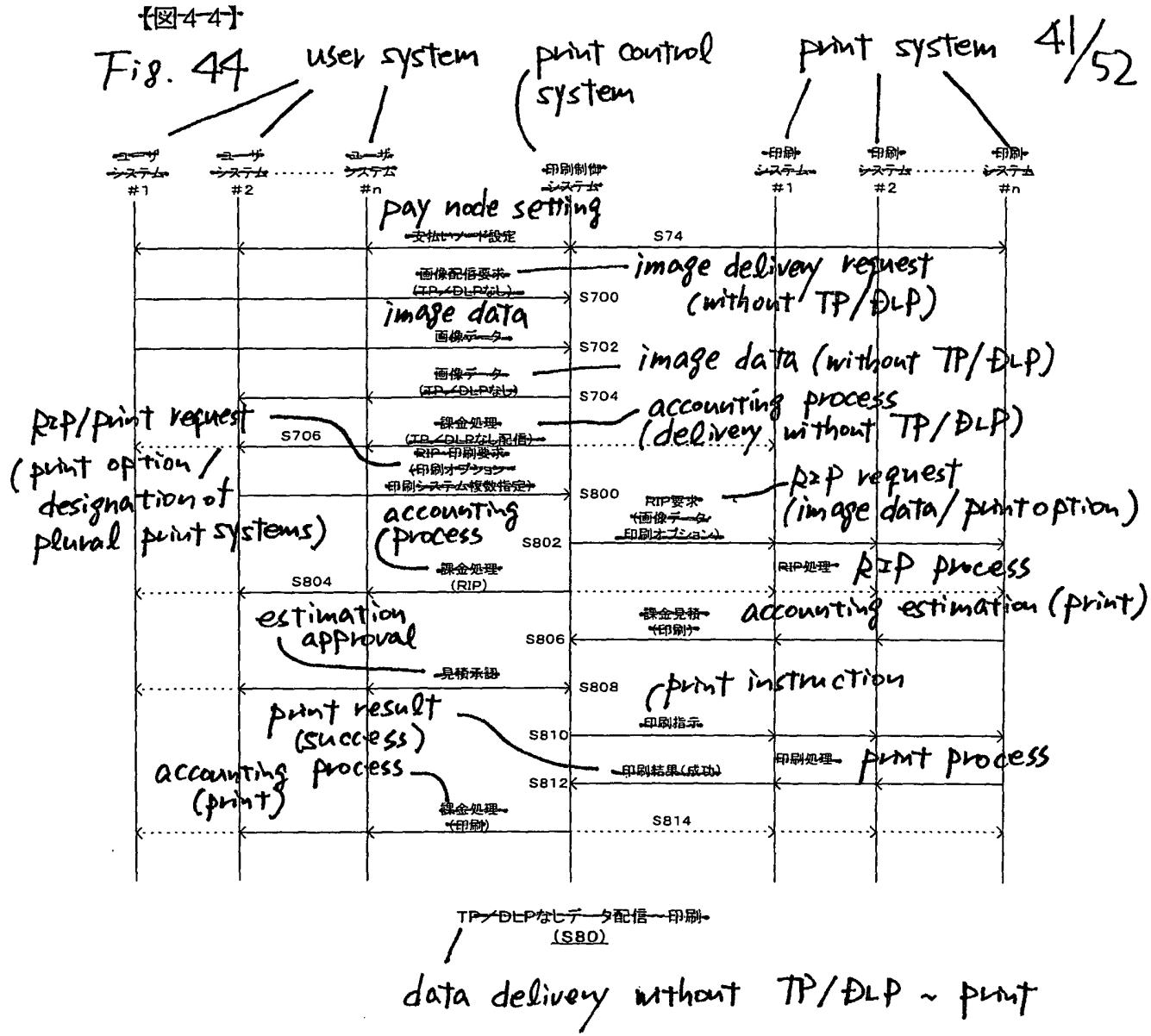


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print system





[図4-4]



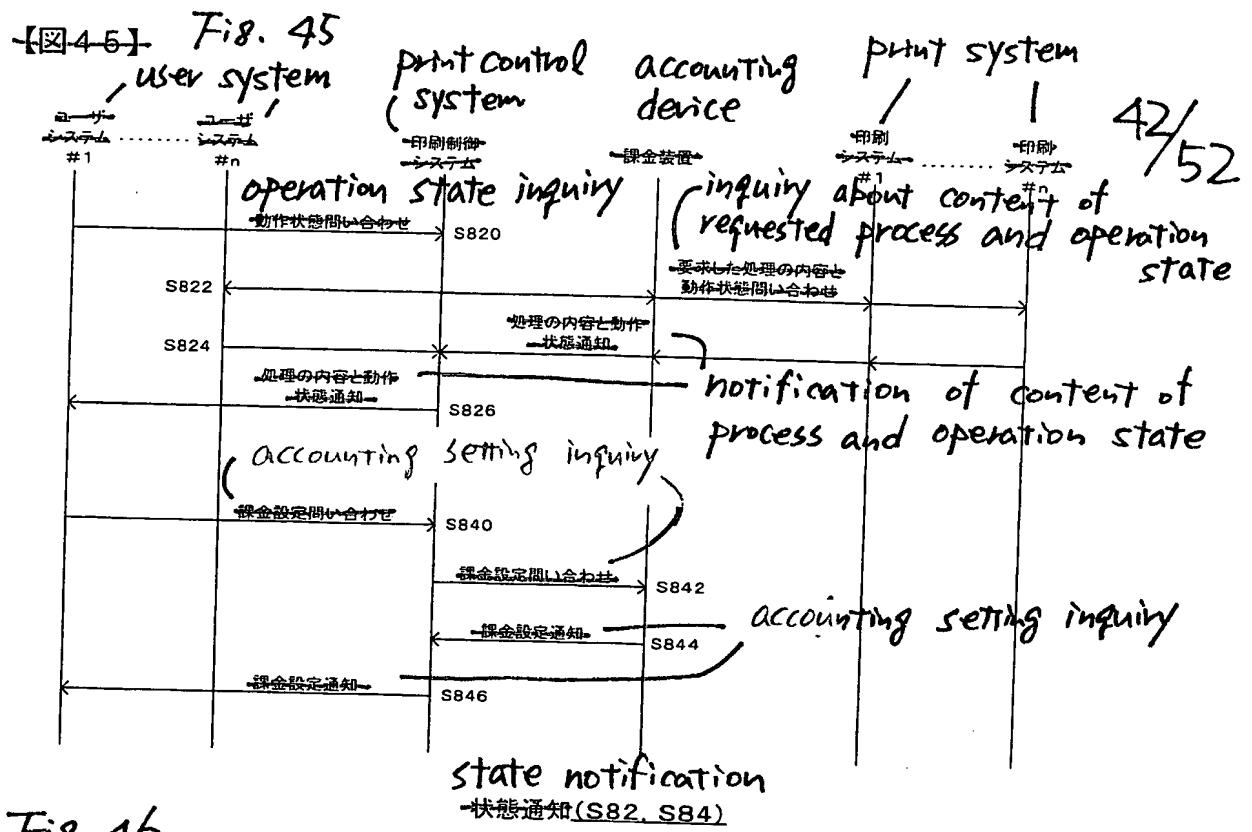
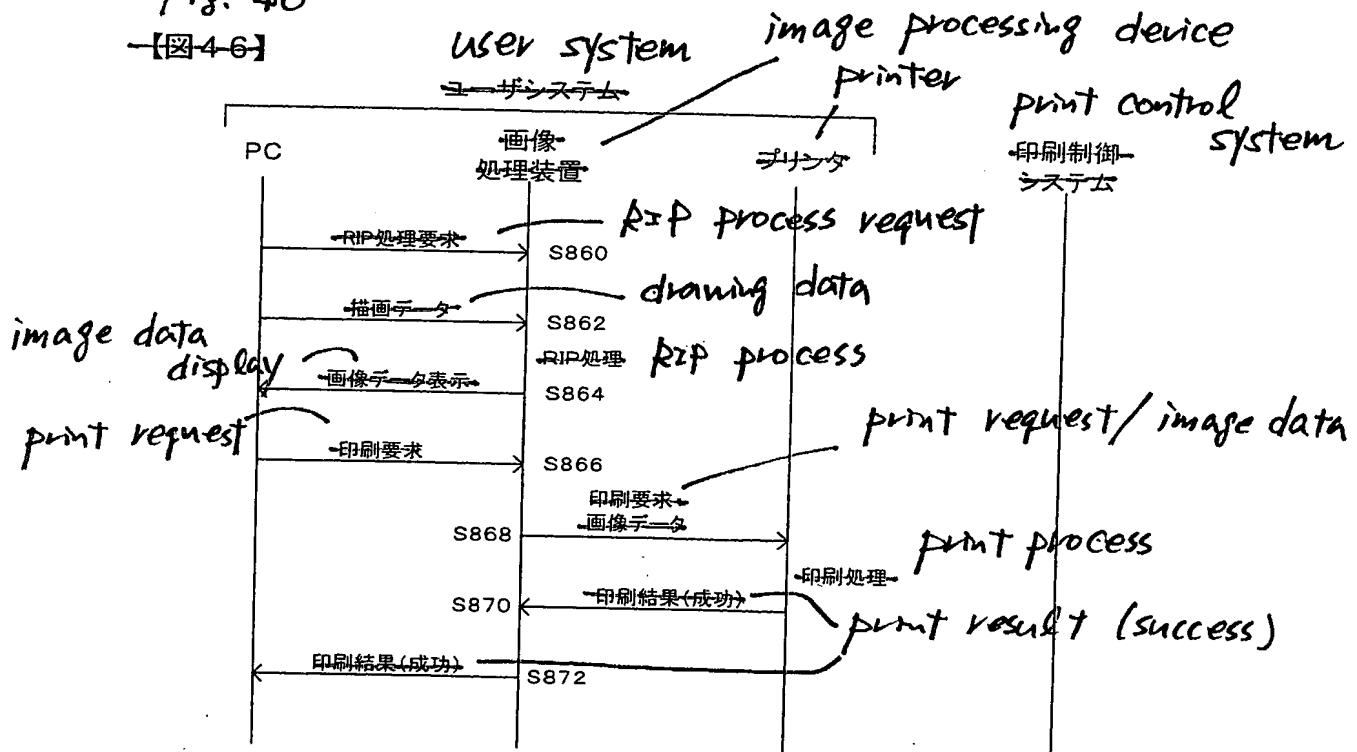


Fig. 46



RIP/print process without
color correction request.

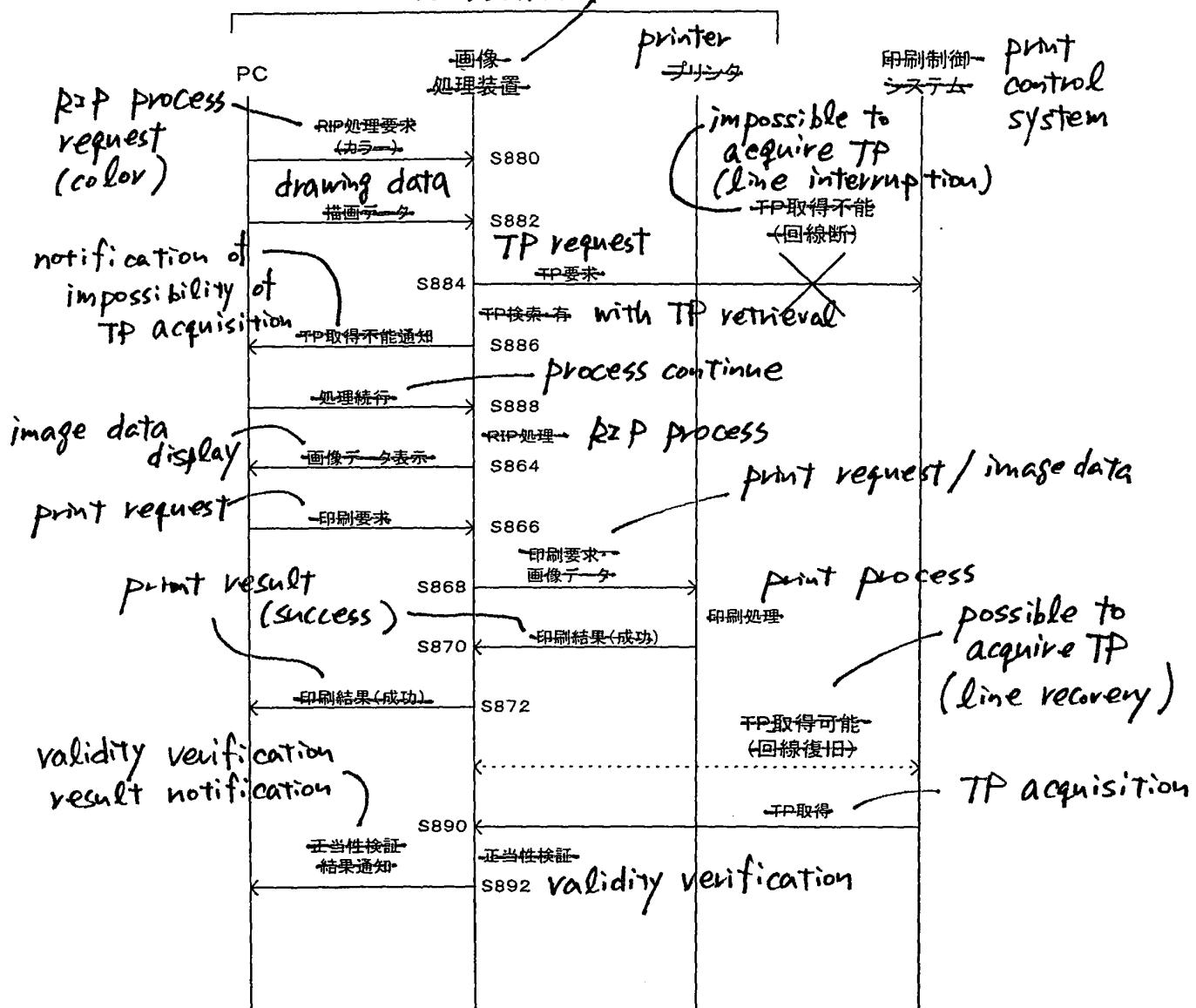
[図4-7]

Fig. 47

user
system

image processing device

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色補正要求がある
—RIP・印刷処理(S88)

RIP/print process with color correction request

Fig. 48

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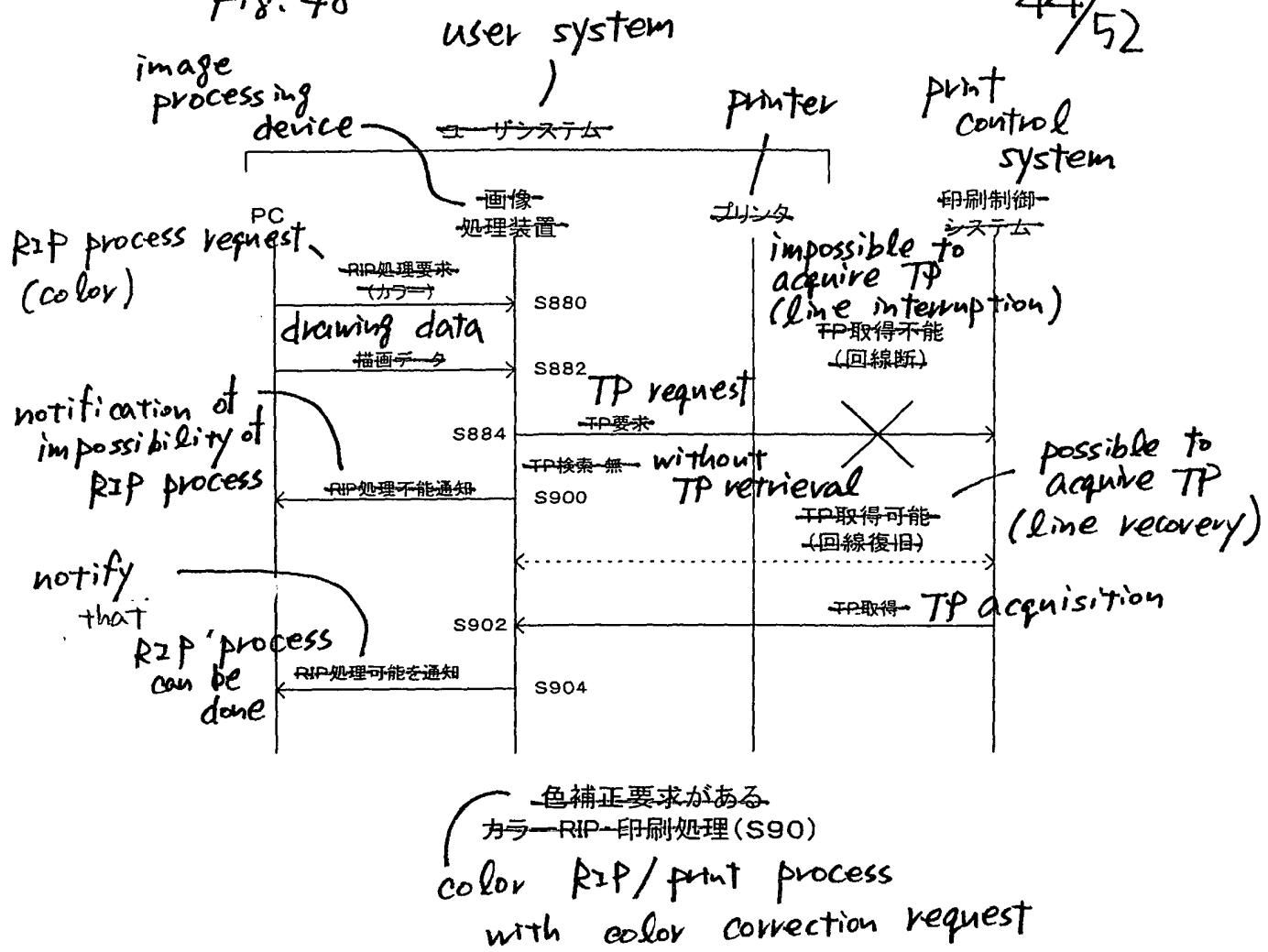


Fig. 49

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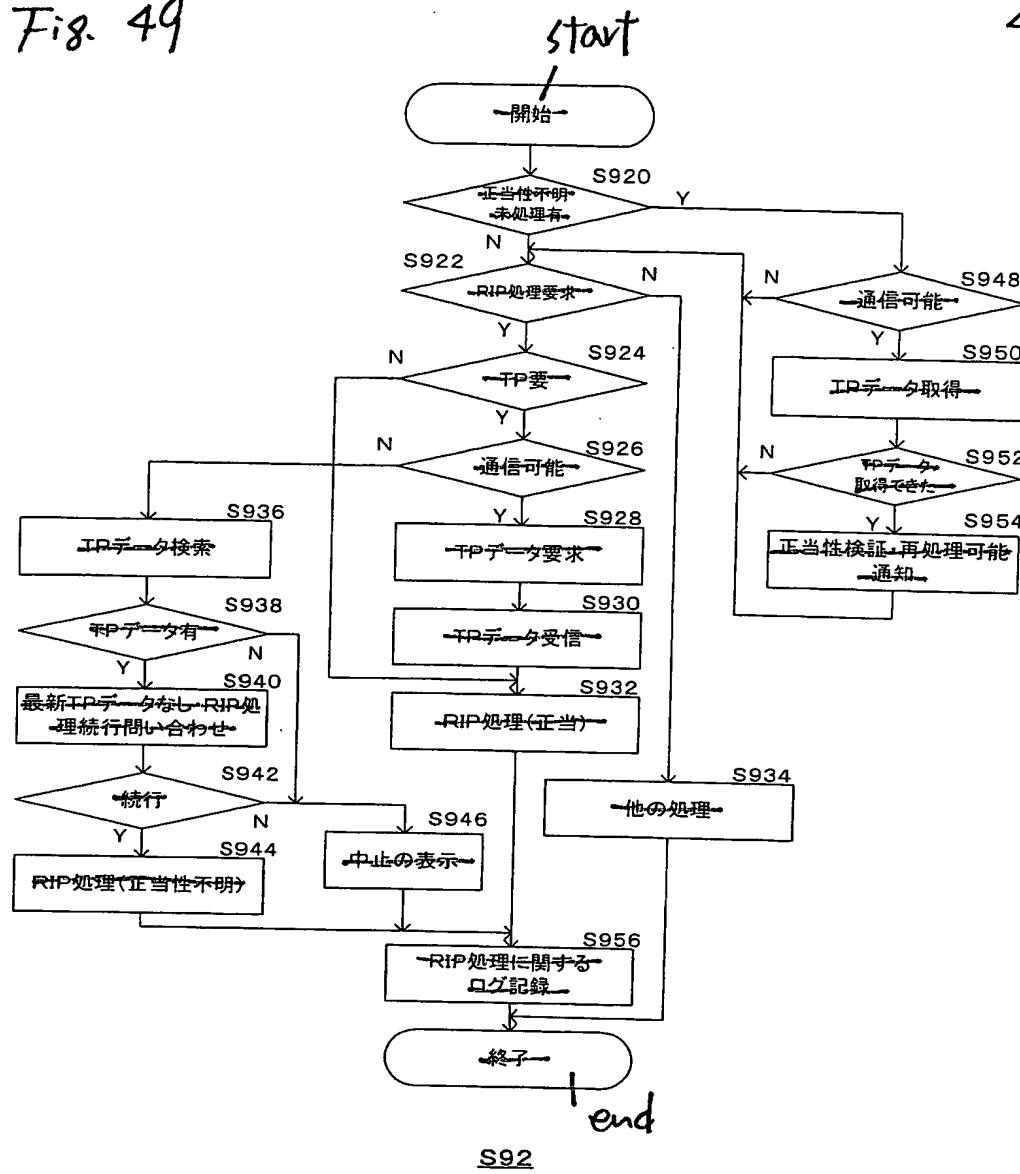


Fig. 49

S920 VALIDITY IS UNKNOWN / THERE IS UNPROCESSED?

S922 RIP PROCESS IS REQUESTED?

S924 TP IS NECESSARY?

S926 COMMUNICATABLE?

S928 REQUEST TP DATA

S930 RECEIVE TP DATA

S932 RIP PROCESS (VALID)

S934 OTHER PROCESSES

S936 RETRIEVE TP DATA

S938 TP DATA EXISTS?

S940 THERE ISN'T LATEST TP DATA/ INQUIRE CONTINUATION OF RIP
PROCESS

S942 CONTINUE?

S944 RIP PROCESS (VALIDITY UNKNOWN)

S946 DISPLAY TERMINATION

S948 COMMUNICATABLE?

S950 ACQUIRE TP DATA

S952 TP DATA IS ACQUIRED?

S954 VERIFY VALIDITY / NOTIFY RE-PROCESSABLE

S956 RECORD LOG ON RIP PROCESS

Fig. 50

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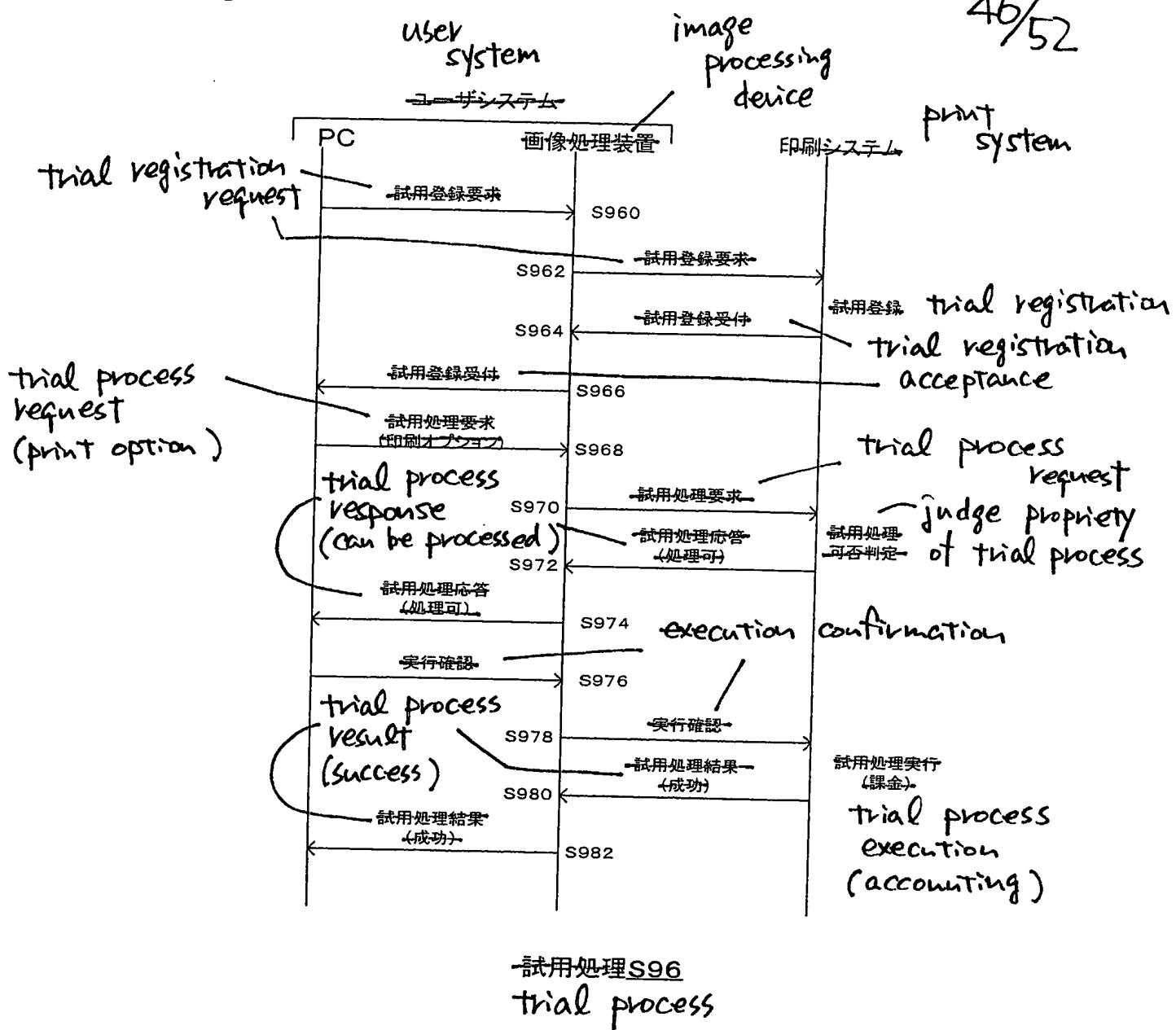
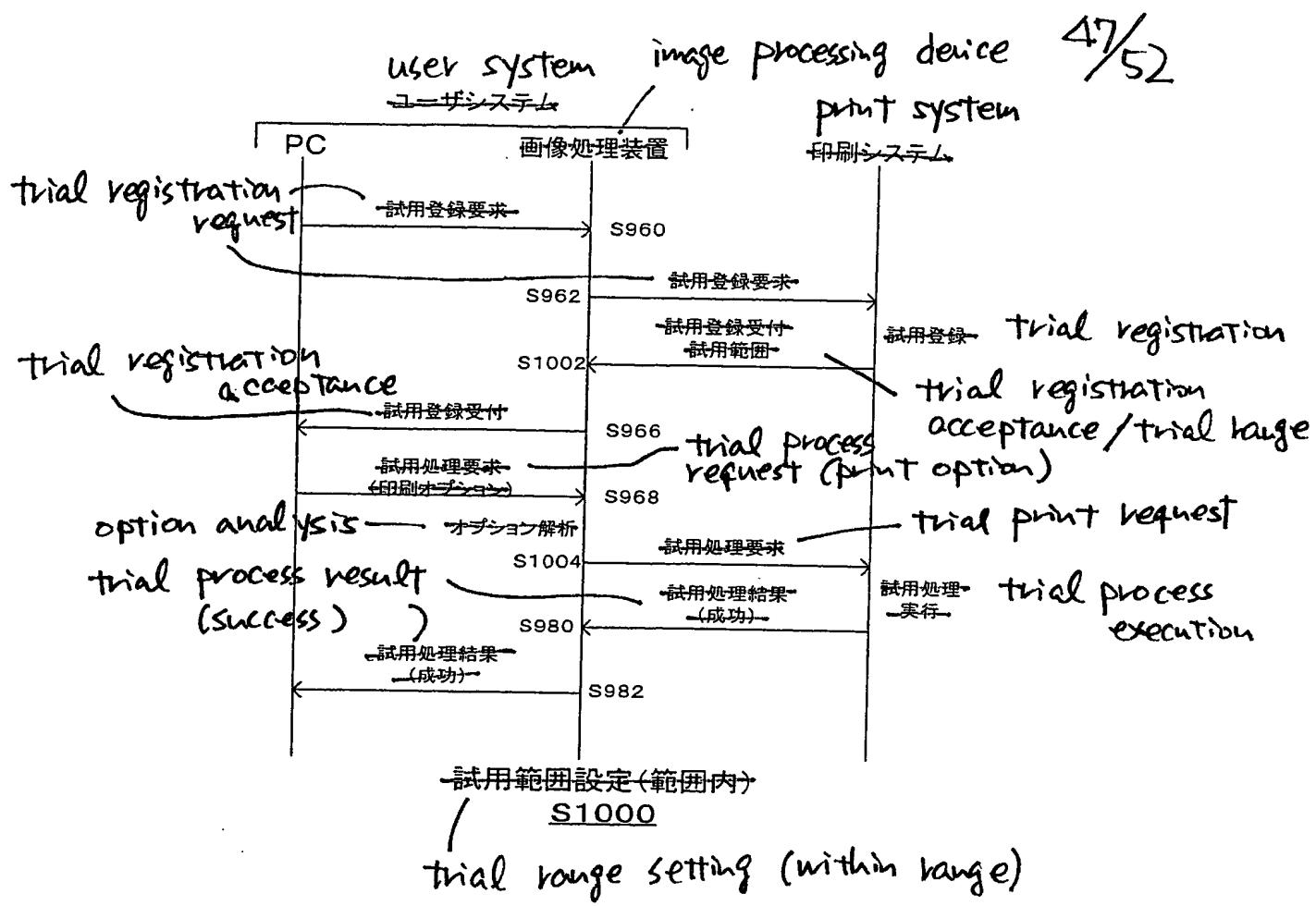
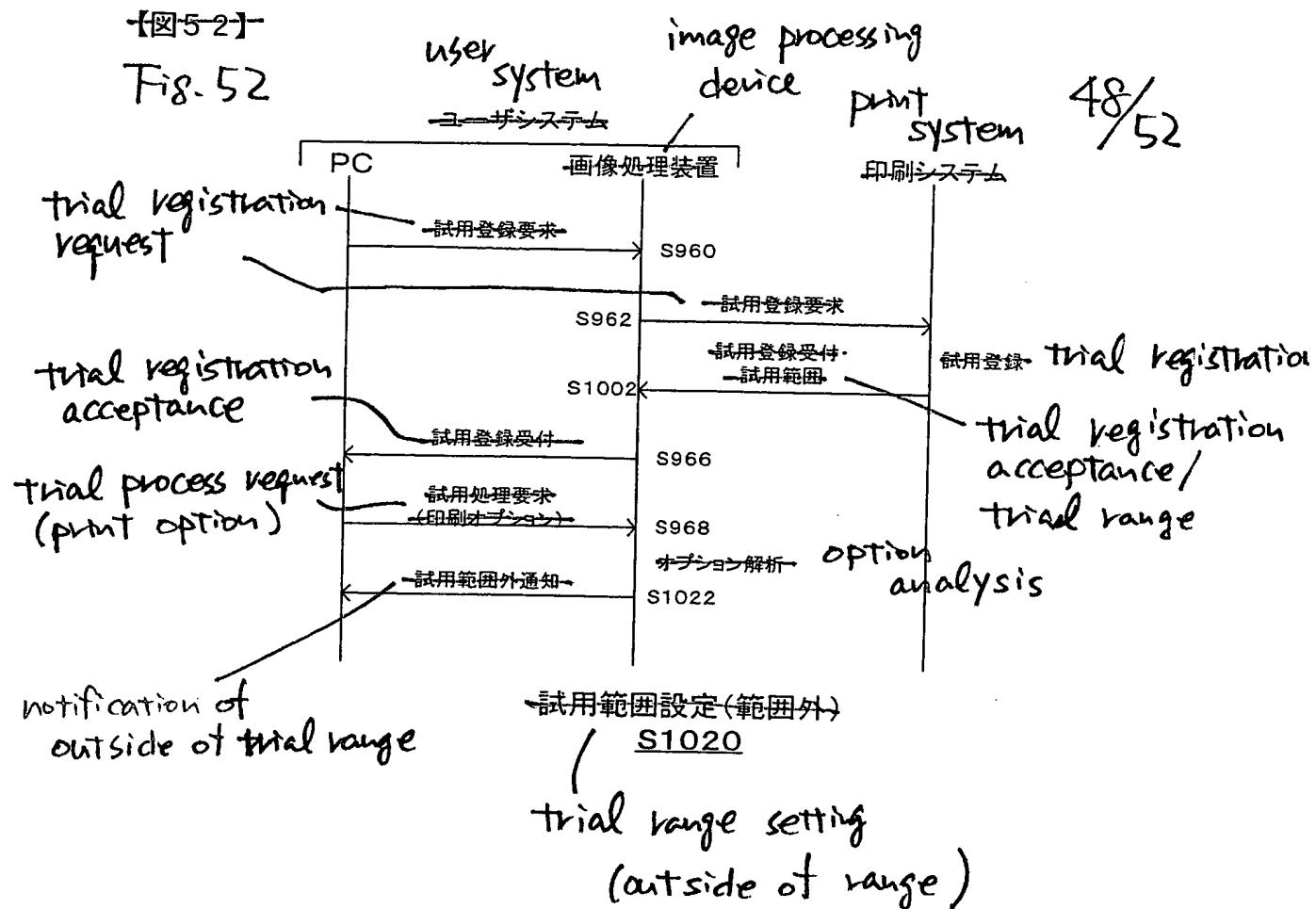


Fig. 5|



[図5-2]

Fig. 52



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Fig. 53 User / system image processing device
ヨーザンステム / print system (印刷システム)
advertisor / system (広告主システム) 49/52

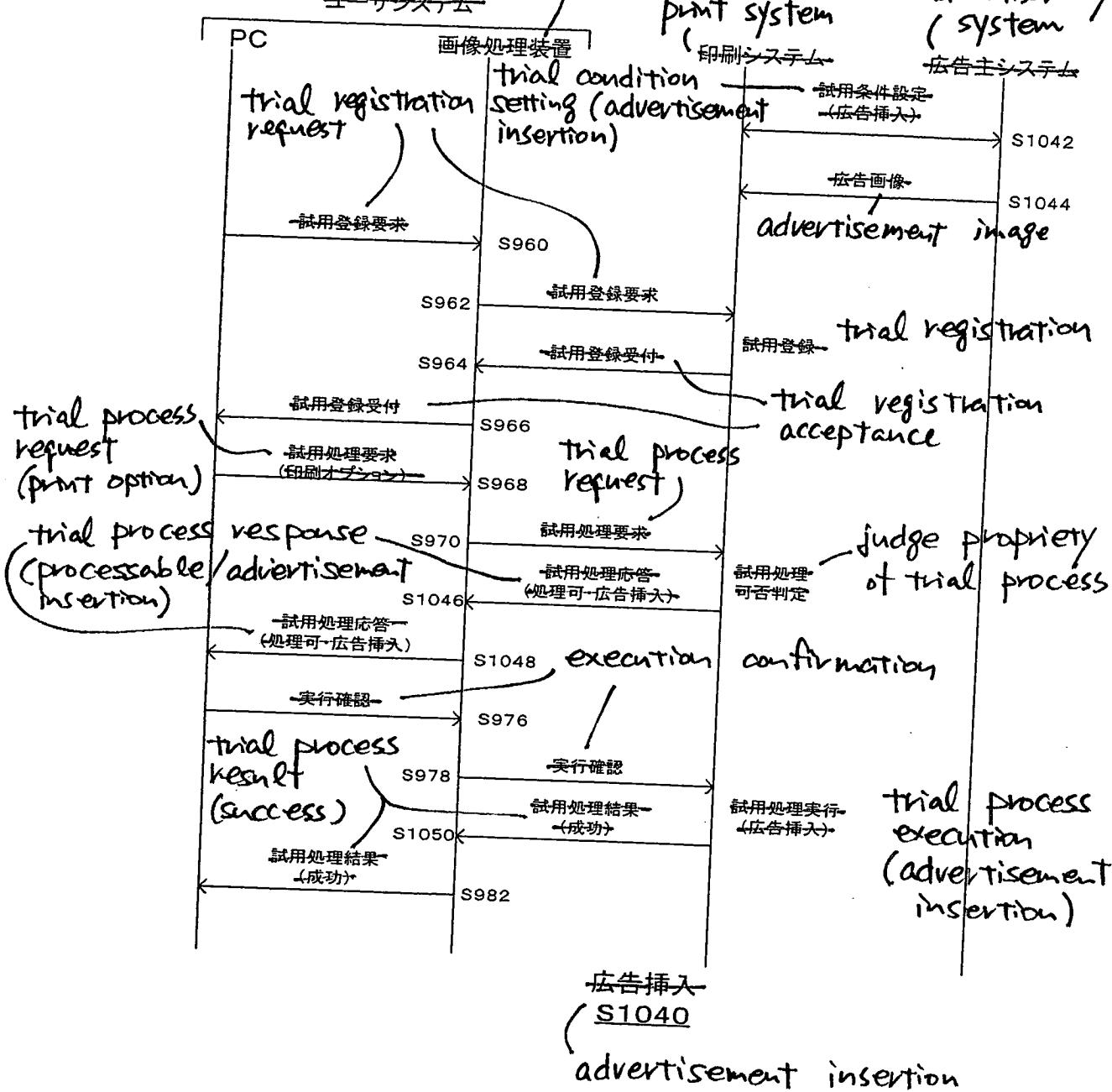
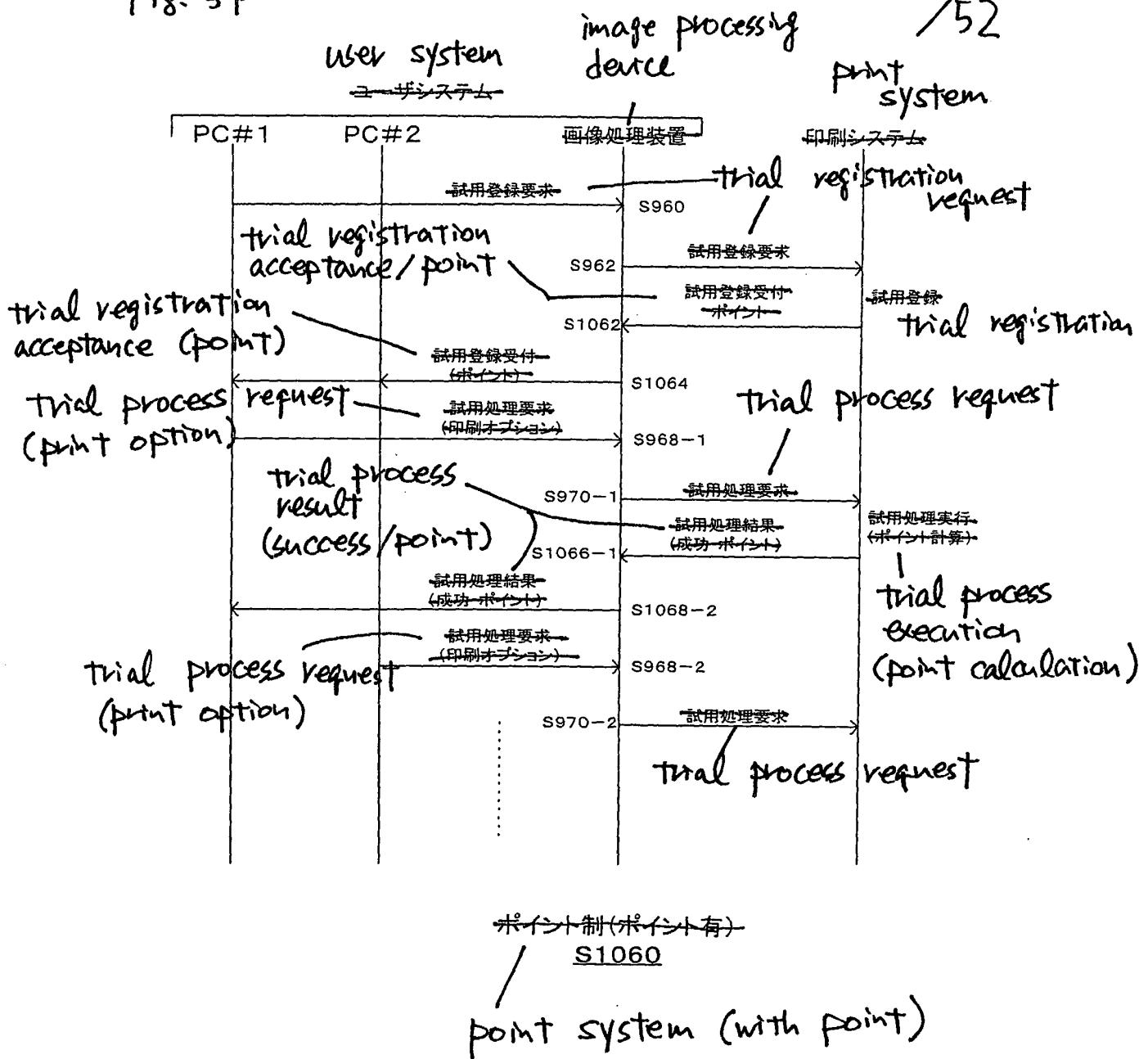


Fig. 54

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[図5-5]

Fig. 55

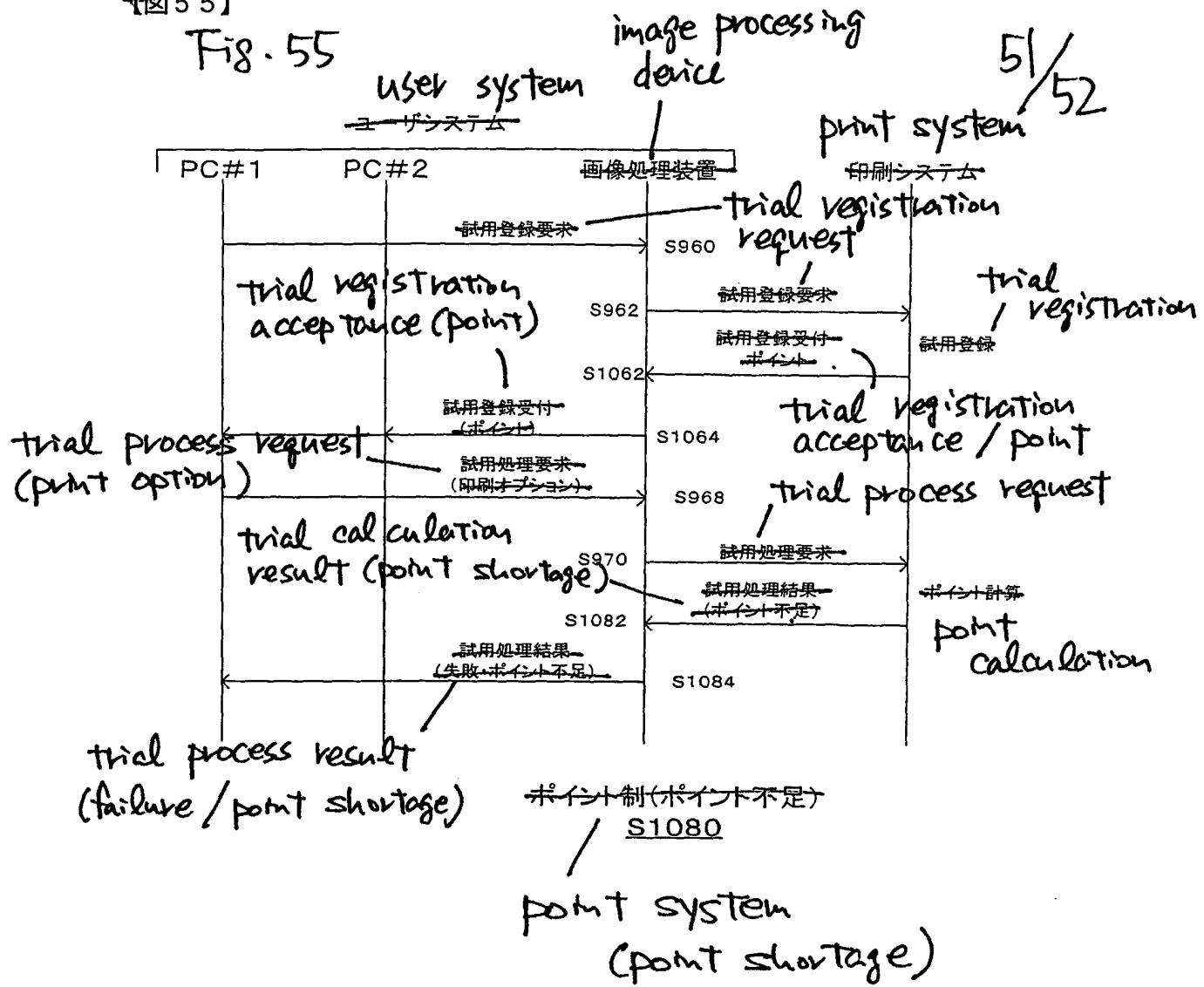


Fig. 56

